

Light Duty Rating Workshop

Rater/Parts Crosstab

	Total parts rated	Seq_III_Calibration_C1	Seq_III_Calibration_C2	Seq_III_Piston_A1	Seq_III_Piston_A2	Seq_III_Piston_A3	Seq_III_Piston_A4	Seq_III_Piston_A5	Seq_III_Piston_A6	Seq_III_Piston_B1	Seq_III_Piston_B2	Seq_III_Piston_B3	Seq_III_Piston_B4	Seq_III_Piston_B5	Seq_III_Piston_B6	Seq_V_Calibration_Pistons	Seq_V_Calibration_Sludge	Seq_V_Calibration_Varnish	Seq_V_Clogging	Seq_V_Pistons_D1-D8	Seq_V_Pistons_E1-E8	Seq_V_Sludge	Seq_V_Varnish	2-Cycle_Calibration_Ring_C1	2-Cycle_Calibration_Ring_C2	2-Cycle_Calibration_Scuff_C1	2-Cycle_Calibration_Scuff_C2	2-Cycle_Comb_Chamber_1	2-Cycle_Comb_Chamber_2	2-Cycle_Comb_Chamber_3	2-Cycle_Comb_Chamber_4	2-Cycle_Piston_M1	2-Cycle_Piston_M2	2-Cycle_Piston_M3	Ind-Comb_Calibration	Ind-Comb_Comb_Chamber	Ind-Comb_Intake_Runner	Ind-Comb_Piston_Tops	Ind-Comb_Valves_F	Ind-Comb_Valves_G	Ind-Comb_Valves_H	Ind-Comb_Valves_J			
Adams, Pat	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													●	●	●	●	●	●	●	●		
Anderson, Richard	10																																			●	●	●	●	●	●	●	●		
Avis, Steve	21	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Cales, Jonathon	22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Caproni, David	22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Castillo, George	35	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Foecking, Brian	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Garcia, Orlando	34	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Greenland, Paul	12																																												
Guarda, Waldyr	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Hill, John	16																																												
Hills, Barry	19	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Kobrinetz, Jack	29	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lopez, Frank	29	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lowsky, John	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pansza, Mike	38	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pawczuk, Greg	23	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Radonich, Pete	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ramirez, Robert	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rodriguez, Jesse	34	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sanchez, Art	32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Seiz, Ray	35	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sessions, Gwen	9																																												
Szynal, Stephen	11																																												
Tschirhart, Garland	38	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Viera, Ralph	22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Yanchar, Paul	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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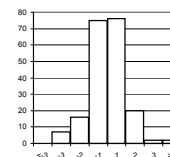
MIN RATINGS/RATER	9	MIN RATINGS/PART	5
MAX RATINGS/RATER	41	MAX RATINGS/PART	23
AVG RATINGS/RATER	27	AVG RATINGS/PART	18

Light Duty Rating Workshop

PART ID = Seq III Calibration Piston C1

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Kobrinetz, Jack	0.95	1.37	7.16	0.62	2.79	1.70	8.60	9.52	9.06							32.71	3.62
Tschirhart, Garland	0.70	1.71	7.10	0.52	2.60	1.80	7.65	9.39	8.52							31.47	3.52
Foecking, Brian	0.80	1.20	7.20	0.80	2.55	1.90	8.00	9.50	8.75							31.95	3.55
Radonich, Pete	0.90	1.28	7.17	0.64	2.65	1.69	7.65	9.58	8.62							31.56	3.53
Caproni, David	0.83	1.67	7.05	0.48	3.00	2.55	7.91	9.66	8.79							33.15	3.72
Garcia, Orlando	0.94	1.65	6.48	0.71	3.02	1.94	7.46	9.22	8.34							31.42	3.55
Lopez, Frank	0.84	1.15	7.70	0.60	3.80	1.46	8.23	9.61	8.92							33.39	3.97
Guarda, Waldyr	0.53	1.33	7.09	0.56	2.71	2.21	6.99	8.75	7.87							30.17	3.48
Castillo, George	0.75	1.25	6.82	0.78	2.71	1.93	7.84	9.40	8.62							31.48	3.51
Hills, Barry	0.68	1.38	7.24	0.44	2.68	1.89	7.81	9.76	8.79							31.88	3.56
Cales, Jonathon	0.90	1.56	7.40	0.40	2.85	1.91	8.38	9.56	8.97							32.96	3.68
Pansza, Mike	0.83	1.56	6.90	0.60	2.98	1.85	8.04	9.12	8.58							31.88	3.60
Yanchar, Pau	0.91	1.31	7.27	0.55	2.64	2.06	8.25	9.35	8.80							32.34	3.59
Ramirez, Robert	0.66	1.30	7.06	0.53	2.97	1.74	7.27	9.20	8.24							30.73	3.54
Adams, Pat	0.38	1.25	7.14	0.43	1.94	2.46	7.02	9.26	8.14							29.88	3.28
Avis, Steve	0.60	1.81	7.14	0.52	2.95	1.91	7.89	9.50	8.70							32.32	3.66
Rodriguez, Jesse	0.91	1.29	7.26	0.70	2.39	1.83	8.35	9.63	8.99							32.36	3.53
Seiz, Ray	0.81	1.94	7.15	0.75	3.67	4.13	7.97	9.32	8.65							35.74	4.16
Sanchez, Art	0.86	1.64	7.47	0.53	3.26	2.51	7.78	9.47	8.63							33.52	3.87
Lowsky, John	0.90	1.51	6.63	0.83	2.73	3.43	6.30	8.82	7.56							31.15	3.56
Viera, Ralph	0.53	1.14	7.70	0.49	3.20	2.71	8.54	9.53	9.04							33.84	3.89
Pawczuk, Greg	0.68	0.94	6.03	0.11	5.57	1.78	7.90	9.25	8.58							32.26	4.06
MAXIMUM	0.95	1.94	7.70	0.83	5.57	4.13	8.60	9.76	9.06							35.74	4.16
MINIMUM	0.38	0.94	6.03	0.11	1.94	1.46	6.30	8.75	7.56							29.88	3.28
RANGE (MAX-MIN)	0.57	1.00	1.67	0.72	3.63	2.67	2.30	1.01	1.50							5.86	0.88
MEAN	0.77	1.42	7.10	0.57	2.98	2.15	7.81	9.38	8.60							32.19	3.66
STD	0.15	0.25	0.37	0.16	0.70	0.62	0.55	0.25	0.38							1.30	0.21



yi within 1 76.3%
 yi within 2 94.4%
 yi within 3 99.0%

PART ID = Seq III Calibration Piston C1

Yi VALUES

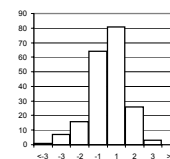
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Kobrinetz, Jack	1.18	-0.20	0.17	0.30	-0.28	-0.73	1.44	0.54	1.23							0.40	-0.16	0.35	0.70
Tschirhart, Garland	-0.44	1.17	0.00	-0.33	-0.55	-0.57	-0.29	0.03	-0.20							-0.55	-0.67	-0.22	0.52
Foecking, Brian	0.21	-0.89	0.27	1.42	-0.62	-0.41	0.35	0.46	0.41							-0.18	-0.51	0.05	0.65
Radonich, Pete	0.85	-0.57	0.19	0.42	-0.48	-0.75	-0.29	0.78	0.05							-0.49	-0.61	-0.08	0.57
Caproni, David	0.40	1.01	-0.13	-0.57	0.02	0.64	0.18	1.09	0.50							0.74	0.32	0.38	0.50
Garcia, Orlando	1.11	0.93	-1.66	0.86	0.05	-0.34	-0.64	-0.64	-0.68							-0.59	-0.52	-0.19	0.85
Lopez, Frank	0.47	-1.09	1.61	0.17	1.16	-1.12	0.76	0.90	0.86							0.93	1.48	0.56	0.92
Guarda, Waldyr	-1.54	-0.36	-0.02	-0.08	-0.39	0.09	-1.49	-2.48	-1.93							-1.56	-0.83	-0.96	0.88
Castillo, George	-0.11	-0.69	-0.75	1.29	-0.39	-0.36	0.05	0.07	0.06							-0.55	-0.69	-0.19	0.58
Hills, Barry	-0.57	-0.16	0.38	-0.82	-0.43	-0.42	0.00	1.49	0.50							-0.24	-0.47	-0.07	0.65
Cales, Jonathon	0.85	0.57	0.81	-1.07	-0.19	-0.39	1.04	0.70	0.99							0.59	0.13	0.37	0.67
Pansza, Mike	0.40	0.57	-0.53	0.17	-0.01	-0.49	0.42	-1.03	-0.04							-0.24	-0.25	-0.09	0.48
Yanchar, Pau	0.92	-0.45	0.46	-0.14	-0.49	-0.15	0.80	-0.12	0.54							0.12	-0.31	0.11	0.50
Ramirez, Robert	-0.70	-0.49	-0.10	-0.26	-0.02	-0.67	-0.98	-0.71	-0.96							-1.13	-0.54	-0.60	0.36
Adams, Pat	-2.50	-0.69	0.11	-0.88	-1.49	0.49	-1.44	-0.48	-1.21							-1.78	-1.81	-1.06	0.88
Avis, Steve	-1.08	1.58	0.11	-0.33	-0.05	-0.39	0.14	0.46	0.26							0.10	0.03	0.08	0.65
Rodriguez, Jesse	0.92	-0.53	0.43	0.79	-0.85	-0.52	0.98	0.97	1.05							0.13	-0.60	0.25	0.75
Seiz, Ray	0.27	2.11	0.14	1.11	0.98	3.18	0.29	-0.24	0.13							2.74	2.39	1.19	1.21
Sanchez, Art	0.60	0.89	1.00	-0.26	0.39	0.57	-0.06	0.35	0.08							1.03	1.03	0.51	0.46
Lowsky, John	0.85	0.36	-1.26	1.60	-0.36	2.05	-2.75	-2.21	-2.76							-0.80	-0.44	-0.52	1.65
Viera, Ralph	-1.54	-1.13	1.61	-0.51	0.31	0.89	1.33	0.58	1.17							1.27	1.11	0.46	1.07
Pawczuk, Greg	-0.57	-1.94	-2.87	-2.88	3.69	-0.60	0.16	-0.52	-0.06							0.05	1.92	-0.33	1.93
Yi MAXIMUM	-2.50	2.11	-2.87	-2.88	3.69	3.18	-2.75	-2.48	-2.76							2.74	2.39	1.19	1.93
Yi MINIMUM	-0.11	-0.16	0.00	-0.08	-0.01	0.09	0.00	0.03	-0.04							0.05	0.03	0.05	0.36
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.77	1.42	7.10	0.57	2.98	2.15	7.81	9.38	8.60							32.19	3.66		
Ratings STD	0.15	0.25	0.37	0.16	0.70	0.62	0.55	0.25	0.38							1.30	0.21		

Light Duty Rating Workshop

PART ID = Seq III Calibration Piston C2

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Kobbrinetz, Jack	1.00	6.50	6.82	0.70	5.23	1.20	8.48	9.90	9.19							39.83	4.78
Tschirhart, Garland	0.82	6.48	6.40	0.48	3.98	1.18	7.05	9.80	8.43							36.19	4.20
Foecking, Brian	1.18	6.10	6.12	0.72	5.12	1.40	8.50	9.95	9.23							39.09	4.60
Radonich, Pete	0.75	6.00	6.20	0.54	4.96	1.80	7.20	9.95	8.58							37.40	4.48
Caproni, David	0.33	6.83	6.65	0.78	5.55	2.42	8.51	10.00	9.26							41.07	4.98
Garcia, Orlando	1.02	5.39	6.17	0.90	4.94	1.62	7.04	9.95	8.50							37.03	4.45
Lopez, Frank	0.79	8.62	6.62	0.72	5.81	1.18	7.94	9.90	8.92							41.58	5.09
Guarda, Waldyr	0.75	5.95	6.66	0.57	4.79	1.88	6.59	9.50	8.05							36.69	4.48
Castillo, George	0.95	5.74	5.88	0.93	5.31	1.42	7.34	9.87	8.61							37.44	4.53
Hills, Barry	0.75	6.30	6.34	0.52	5.56	1.60	7.83	9.90	8.87							38.80	4.73
Cales, Jonathon	1.51	6.20	5.71	0.71	5.14	1.34	8.16	9.90	9.03							38.67	4.52
Pansza, Mike	0.41	6.50	6.38	0.77	5.63	1.15	7.75	9.80	8.78							38.39	4.74
Yanchar, Pau	0.86	6.05	6.28	0.66	4.96	1.38	8.06	9.85	8.96							38.10	4.52
Ramirez, Robert	1.35	6.72	6.54	0.83	4.51	1.50	8.00	9.86	8.93							39.31	4.57
Adams, Pat	0.95	9.02	6.74	0.45	4.79	1.18	6.88	9.90	8.39							39.91	4.76
Avis, Steve	1.28	6.83	6.72	0.45	5.24	0.83	8.45	9.90	9.18							39.70	4.73
Rodriguez, Jesse	1.11	6.13	6.42	0.89	4.97	1.39	7.81	9.90	8.86							38.62	4.60
Seiz, Ray	1.42	7.09	6.50	0.67	5.21	1.78	8.38	9.70	9.04							40.75	4.83
Sanchez, Art	1.03	7.37	6.52	0.38	5.70	1.64	8.00	9.80	8.90							40.44	4.91
Lowsky, John	1.00	5.56	5.58	0.97	4.92	1.75	5.98	9.50	7.74							35.26	4.29
Viera, Ralph	1.03	6.15	6.65	0.89	5.69	1.00	7.92	10.00	8.96							39.33	4.83
Pawczuk, Greg	1.15	5.68	4.80	0.15	4.45	1.42	7.10	9.80	8.45							34.55	3.93
MAXIMUM	1.5	9.0	6.8	1.0	5.8	2.4	8.5	10.0	9.3							41.58	5.09
MINIMUM	0.3	5.4	4.8	0.2	4.0	0.8	6.0	9.5	7.7							34.55	3.93
RANGE (MAX-MIN)	1.2	3.6	2.0	0.8	1.8	1.6	2.5	0.5	1.5							7.03	1.16
MEAN	0.97	6.51	6.30	0.67	5.11	1.46	7.68	9.85	8.76							38.55	4.62
STD	0.29	0.90	0.47	0.21	0.45	0.35	0.69	0.13	0.39							1.84	0.26



yi within 1 73.2%
 yi within 2 94.4%
 yi within 3 99.5%

PART ID = Seq III Calibration Piston C2

Yi VALUES

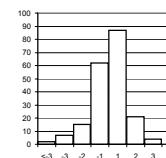
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Kobbrinetz, Jack	0.09	-0.01	1.10	0.16	0.26	-0.74	1.16	0.40	1.10							0.69	0.61	0.44	0.58
Tschirhart, Garland	-0.53	-0.03	0.20	-0.90	-2.49	-0.80	-0.91	-0.35	-0.87							-1.28	-1.59	-0.87	0.75
Foecking, Brian	0.71	-0.46	-0.39	0.25	0.02	-0.17	1.19	0.78	1.19							0.29	-0.06	0.30	0.59
Radonich, Pete	-0.77	-0.57	-0.22	-0.62	-0.33	0.99	-0.69	0.78	-0.49							-0.63	-0.50	-0.28	0.60
Caproni, David	-2.22	0.36	0.73	0.54	0.96	2.78	1.20	1.15	1.27							1.37	1.37	0.87	1.20
Garcia, Orlando	0.16	-1.25	-0.29	1.12	-0.38	0.47	-0.93	0.78	-0.69							-0.83	-0.62	-0.22	0.76
Lopez, Frank	-0.63	2.35	0.67	0.25	1.54	-0.80	0.38	0.40	0.40							1.64	1.78	0.73	1.00
Guarda, Waldyr	-0.77	-0.62	0.76	-0.47	-0.71	1.22	-1.58	-2.61	-1.85							-1.01	-0.52	-0.74	1.08
Castillo, George	-0.08	-0.86	-0.90	1.27	0.44	-0.11	-0.49	0.17	-0.41							-0.60	-0.32	-0.17	0.63
Hills, Barry	-0.77	-0.23	0.08	-0.71	0.99	0.41	0.22	0.40	0.26							0.13	0.42	0.11	0.51
Cales, Jonathon	1.84	-0.35	-1.26	0.21	0.06	-0.34	0.69	0.40	0.69							0.06	-0.35	0.15	0.79
Pansza, Mike	-1.94	-0.01	0.16	0.50	1.14	-0.89	0.10	-0.35	0.03							-0.09	0.48	-0.08	0.80
Yanchar, Pau	-0.39	-0.51	-0.05	-0.04	-0.33	-0.22	0.55	0.02	0.49							-0.25	-0.35	-0.10	0.35
Ramirez, Robert	1.29	0.23	0.50	0.79	-1.33	0.12	0.46	0.10	0.43							0.41	-0.18	0.26	0.65
Adams, Pat	-0.08	2.80	0.93	-1.05	-0.71	-0.80	-1.16	0.40	-0.96							0.74	0.54	0.06	1.19
Avis, Steve	1.05	0.36	0.88	-1.05	0.28	-1.81	1.11	0.40	1.06							0.62	0.43	0.30	0.92
Rodriguez, Jesse	0.47	-0.42	0.25	1.08	-0.31	-0.19	0.19	0.40	0.24							0.04	-0.06	0.15	0.42
Seiz, Ray	1.53	0.65	0.42	0.01	0.22	0.93	1.01	-1.11	0.71							1.19	0.79	0.58	0.71
Sanchez, Art	0.19	0.96	0.46	-1.39	1.30	0.53	0.46	-0.35	0.35							1.02	1.13	0.42	0.77
Lowsky, John	0.09	-1.06	-1.54	1.46	-0.42	0.85	-2.46	-2.61	-2.64							-1.79	-1.23	-1.03	1.39
Viera, Ralph	0.19	-0.40	0.73	1.08	1.27	-1.32	0.35	1.15	0.51							0.42	0.82	0.44	0.76
Pawczuk, Greg	0.60	-0.93	-3.20	-2.50	-1.46	-0.11	-0.84	-0.35	-0.81							-2.17	-2.60	-1.31	1.19
Yi MAXIMUM	-2.22	2.80	-3.20	-2.50	-2.49	2.78	-2.46	-2.61	-2.64							-2.17	-2.60	-1.31	1.39
Yi MINIMUM	-0.08	-0.01	-0.05	0.01	0.02	-0.11	0.10	0.02	0.03							0.04	-0.06	0.06	0.35
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.97	6.51	6.30	0.67	5.11	1.46	7.68	9.85	8.76							38.55	4.62		
Ratings STD	0.29	0.90	0.47	0.21	0.45	0.35	0.69	0.13	0.39							1.84	0.26		

Light Duty Rating Workshop

PART ID = Sequence III Piston A1

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.75	0.92	6.97	0.58	1.10	0.75	6.85	9.67	8.26							27.59	2.84
Caproni, David	0.65	1.03	7.17	0.22	0.93	0.75	7.00	9.40	8.20							27.15	2.78
Foecking, Brian	0.77	0.96	6.88	0.96	1.03	0.94	7.20	9.48	8.34							28.22	2.89
Castillo, George	0.71	0.97	6.68	1.09	0.91	1.03	6.65	9.20	7.93							27.24	2.80
Lopez, Frank	0.71	0.90	6.73	0.89	0.90	0.75	6.63	9.54	8.09							27.05	2.76
Garcia, Orlando	0.87	0.89	6.67	0.70	1.03	1.12	7.17	9.51	8.34							27.96	2.83
Radonich, Pete	0.71	0.97	6.82	0.83	1.00	1.10	6.44	9.48	7.96							27.35	2.83
Guarda, Waldyr	0.75	0.88	6.90	0.77	0.75	1.71	6.13	8.80	7.47							26.69	2.76
Cales, Jonathon	0.76	0.80	6.83	0.72	0.82	0.92	7.33	9.60	8.47							27.78	2.78
Tschirhart, Garland	0.68	0.75	6.70	0.52	0.77	0.88	6.30	9.45	7.88							26.05	2.63
Kobrinetz, Jack	0.82	0.92	7.68	0.60	0.92	0.84	7.12	9.48	8.30							28.38	2.95
Yanchar, Pau	0.75	0.88	7.26	0.53	0.94	0.94	6.86	9.45	8.16							27.61	2.85
Adams, Pat	0.75	0.69	6.84	0.79	0.75	0.75	6.60	9.69	8.15							26.86	2.71
Avis, Steve	0.56	0.86	6.89	0.56	0.75	0.75	7.46	9.54	8.50							27.37	2.73
Pawczuk, Greg	0.78	0.56	5.66	0.35	0.59	0.55	7.45	9.16	8.31							25.10	2.34
Ramirez, Robert	0.75	0.88	6.74	0.98	1.07	1.36	7.29	9.42	8.36							28.49	2.91
Viera, Ralph	0.53	0.78	6.93	0.75	1.14	1.24	7.21	9.14	8.18							27.72	2.89
Rodriguez, Jesse	0.75	0.99	6.87	0.81	0.99	0.98	6.71	9.48	8.10							27.58	2.84
Seiz, Ray	0.75	0.69	6.67	0.95	1.14	1.58	7.51	9.39	8.45							28.68	2.93
Lowsky, John	0.68	0.92	6.58	1.19	0.93	1.16	6.83	8.88	7.86							27.17	2.80
Pansza, Mike	0.72	0.85	6.71	1.37	0.85	0.93	6.96	9.24	8.10							27.63	2.83
Sanchez, Arl	0.08	0.64	7.14	0.80	0.75	1.09	7.54	9.45	8.50							27.49	2.80
MAXIMUM	0.87	1.03	7.68	1.37	1.14	1.71	7.54	9.69	8.50							28.68	2.95
MINIMUM	0.08	0.56	5.66	0.22	0.59	0.55	6.13	8.80	7.47							25.10	2.34
RANGE (MAX-MIN)	0.79	0.47	2.02	1.15	0.56	1.16	1.41	0.89	1.04							3.59	0.61
MEAN	0.69	0.85	6.83	0.77	0.91	1.01	6.97	9.38	8.17							27.42	2.79
STD	0.16	0.12	0.36	0.27	0.15	0.28	0.40	0.23	0.25							0.80	0.13



yi within 1 75%
 yi within 2 93%
 yi within 3 99%

PART ID = Sequence III Piston A1

Yi VALUES

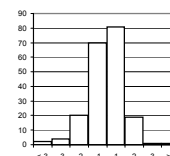
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.36	0.56	0.38	-0.72	1.28	-0.91	-0.29	1.25	0.34							0.22	0.38	0.26	0.69
Caproni, David	-0.29	1.47	0.94	-2.07	0.13	-0.91	0.09	0.07	0.10							-0.33	-0.14	-0.09	0.91
Foecking, Brian	0.48	0.89	0.13	0.71	0.81	-0.23	0.58	0.42	0.66							1.01	0.78	0.57	0.36
Castillo, George	0.10	0.97	-0.42	1.20	-0.01	0.09	-0.78	-0.81	-1.00							-0.22	0.06	-0.08	0.69
Lopez, Frank	0.10	0.40	-0.29	0.45	-0.08	-0.91	-0.83	0.68	-0.36							-0.46	-0.28	-0.14	0.51
Garcia, Orlando	1.12	0.32	-0.45	-0.27	0.81	0.41	0.51	0.55	0.66							0.68	0.26	0.42	0.45
Radonich, Pete	0.10	0.97	-0.04	0.22	0.60	0.34	-1.31	0.42	-0.86							-0.08	0.27	0.06	0.64
Guarda, Waldyr	0.36	0.24	0.19	0.00	-1.10	2.51	-2.08	-2.55	-2.83							-0.91	-0.24	-0.58	1.54
Cales, Jonathon	0.42	-0.42	-0.01	-0.19	-0.62	-0.30	0.91	0.94	1.16							0.46	-0.14	0.20	0.61
Tschirhart, Garland	-0.09	-0.83	-0.37	-0.94	-0.97	-0.45	-1.65	0.29	-1.19							-1.71	-1.28	-0.84	0.63
Kobrinetz, Jack	0.80	0.56	2.36	-0.64	0.06	-0.59	0.38	0.42	0.50							1.21	1.24	0.57	0.85
Yanchar, Pau	0.36	0.24	1.19	-0.90	0.19	-0.23	-0.26	0.29	-0.08							0.24	0.44	0.13	0.52
Adams, Pat	0.36	-1.33	0.02	0.07	-1.10	-0.91	-0.91	1.34	-0.12							-0.70	-0.69	-0.36	0.78
Avis, Steve	-0.86	0.07	0.16	-0.79	-1.10	-0.91	1.23	0.68	1.30							-0.06	-0.54	-0.07	0.86
Pawczuk, Greg	0.55	-2.39	-3.26	-1.58	-2.23	-1.62	1.20	-0.98	0.52							-2.91	-3.61	-1.48	1.63
Ramirez, Robert	0.36	0.24	-0.26	0.79	1.08	1.26	0.81	0.16	0.72							1.35	0.95	0.68	0.50
Viera, Ralph	-1.05	-0.59	0.27	-0.08	1.56	0.83	0.61	-1.07	0.00							0.38	0.74	0.15	0.81
Rodriguez, Jesse	0.36	1.14	0.10	0.15	0.53	-0.09	-0.64	0.42	-0.32							0.21	0.34	0.20	0.46
Seiz, Ray	0.36	-1.33	-0.45	0.67	1.56	2.04	1.35	0.03	1.10							1.58	1.07	0.73	1.00
Lowsky, John	-0.09	0.56	-0.70	1.57	0.13	0.55	-0.34	-2.21	-1.27							-0.31	0.06	-0.19	1.00
Pansza, Mike	0.16	-0.01	-0.34	2.25	-0.42	-0.27	-0.01	-0.63	-0.30							0.27	0.26	0.09	0.77
Sanchez, Arl	-3.94	-1.74	0.85	0.11	-1.10	0.30	1.43	0.29	1.28							0.09	0.05	-0.22	1.54
Yi MAXIMUM	-3.94	-2.39	-3.26	2.25	-2.23	2.51	-2.08	-2.55	-2.83							-2.91	-3.61	-1.48	1.63
Yi MINIMUM	-0.09	-0.01	-0.01	0.00	-0.01	0.09	-0.01	0.03	0.00							-0.06	0.05	0.06	0.36
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.69	0.85	6.83	0.77	0.91	1.01	6.97	9.38	8.17							27.42	2.79		
Ratings STD	0.16	0.12	0.36	0.27	0.15	0.28	0.40	0.23	0.25							0.80	0.13		

Light Duty Rating Workshop

PART ID = Sequence III Piston A2

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.75	4.48	8.64	2.46	8.06	1.16	9.71	9.86	9.79							45.12	6.10
Caproni, David	0.75	4.73	7.74	2.81	7.33	1.76	9.12	9.80	9.46							44.04	5.80
Foecking, Brian	0.75	4.00	8.60	1.96	7.70	1.75	9.23	9.85	9.54							43.84	5.89
Castillo, George	0.75	4.46	7.99	2.33	7.40	1.44	9.01	9.69	9.35							43.07	5.73
Lopez, Frank	0.75	3.97	8.53	2.05	8.40	1.52	9.11	9.79	9.45							44.12	6.07
Garcia, Orlando	0.75	4.86	7.86	2.55	7.98	2.03	8.34	9.77	9.06							44.14	5.98
Radonich, Pete	0.75	4.40	8.40	2.10	7.90	1.70	9.17	9.80	9.49							44.22	5.96
Guarda, Waldyr	1.24	5.16	8.49	2.15	8.06	2.31	8.06	8.50	8.28							43.97	6.08
Cales, Jonathon	0.75	4.54	7.76	2.38	7.64	2.07	9.40	9.75	9.58							44.29	5.86
Tschirhart, Garland	0.75	5.52	8.32	2.98	8.00	1.38	9.20	9.80	9.50							45.95	6.19
Kobrinetz, Jack	0.75	4.47	8.60	2.23	8.34	1.47	9.39	9.70	9.55							44.95	6.14
Yanchar, Pau	0.75	4.50	8.84	2.09	7.99	1.26	9.08	9.75	9.42							44.26	6.03
Avis, Steve	0.75	4.48	8.73	2.16	8.48	1.18	8.97	9.74	9.36							44.49	6.15
Pawczuk, Greg	0.44	4.26	7.25	1.26	7.71	1.47	9.31	9.64	9.47							41.34	5.49
Ramirez, Robert	0.75	5.20	8.31	2.69	8.64	2.26	9.12	9.80	9.46							46.77	6.39
Adams, Pat	0.75	3.68	7.96	2.59	8.10	1.44	8.56	9.81	9.19							42.89	5.88
Rodriguez, Jesse	0.75	4.02	8.37	2.66	7.74	1.58	9.00	9.82	9.41							43.94	5.93
Viera, Ralph	0.75	3.82	8.30	2.95	7.33	2.50	8.52	9.75	9.14							43.92	5.88
Seiz, Ray	0.75	5.00	8.54	2.47	8.02	1.91	9.28	9.65	9.47							45.62	6.16
Lowsky, John	0.75	4.21	8.15	3.04	7.90	2.16	8.80	9.45	9.13							44.46	6.04
Pansza, Mike	0.75	4.43	7.82	2.29	8.21	1.87	8.91	9.74	9.33							44.02	5.97
Sanchez, Arl	0.75	4.40	8.66	2.82	8.29	2.14	9.39	9.76	9.58							46.21	6.29
MAXIMUM	1.24	5.52	8.84	3.04	8.64	2.50	9.71	9.86	9.79							46.77	6.39
MINIMUM	0.44	3.68	7.25	1.26	7.33	1.16	8.06	8.50	8.28							41.34	5.49
RANGE (MAX-MIN)	0.80	1.84	1.59	1.78	1.31	1.34	1.65	1.36	1.51							5.44	0.89
MEAN	0.76	4.48	8.27	2.41	7.96	1.74	9.03	9.69	9.36							44.35	6.00
STD	0.13	0.46	0.40	0.41	0.36	0.39	0.38	0.28	0.30							1.16	0.19



yi within 1 76%
 yi within 2 96%
 yi within 3 98%

PART ID = Sequence III Piston A2

Yi VALUES

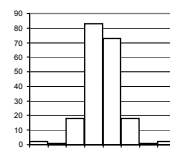
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	-0.06	0.00	0.93	0.12	0.27	-1.50	1.77	0.60	1.44							0.66	0.48	0.43	0.86
Caproni, David	-0.06	0.54	-1.31	0.97	-1.78	0.04	0.23	0.39	0.33							-0.26	-1.02	-0.18	0.85
Foecking, Brian	-0.06	-1.04	0.83	-1.09	-0.74	0.02	0.52	0.57	0.61							-0.44	-0.57	-0.13	0.69
Castillo, George	-0.06	-0.05	-0.69	-0.19	-1.58	-0.78	-0.05	-0.01	-0.04							-1.10	-1.39	-0.54	0.60
Lopez, Frank	-0.06	-1.11	0.65	-0.87	1.22	-0.58	0.21	0.35	0.30							-0.19	0.33	0.02	0.68
Garcia, Orlando	-0.06	0.82	-1.01	0.34	0.04	0.74	-1.80	0.28	-1.04							-0.18	-0.10	-0.18	0.80
Radonich, Pete	-0.06	-0.18	0.33	-0.75	-0.18	-0.11	0.36	0.39	0.42							-0.11	-0.20	-0.01	0.36
Guarda, Waldyr	3.82	1.47	0.56	-0.63	0.27	1.46	-2.53	-4.25	-3.66							-0.32	0.38	-0.31	2.38
Cales, Jonathon	-0.06	0.13	-1.26	-0.07	-0.91	0.84	0.96	0.21	0.72							-0.05	-0.74	-0.02	0.72
Tschirhart, Garland	-0.06	2.25	0.13	1.38	0.10	-0.94	0.44	0.39	0.47							1.38	0.96	0.59	0.86
Kobrinetz, Jack	-0.06	-0.02	0.83	-0.44	1.05	-0.71	0.94	0.03	0.62							0.52	0.73	0.32	0.59
Yanchar, Pau	-0.06	0.04	1.42	-0.78	0.07	-1.25	0.13	0.21	0.18							-0.07	0.17	0.01	0.66
Avis, Steve	-0.06	0.00	1.15	-0.61	1.44	-1.45	-0.16	0.17	-0.02							0.12	0.78	0.12	0.80
Pawczuk, Greg	-2.52	-0.48	-2.52	-2.79	-0.71	-0.71	0.73	-0.20	0.38							-2.59	-2.60	-1.27	1.34
Ramirez, Robert	-0.06	1.56	0.11	0.68	1.89	1.33	0.23	0.39	0.33							2.08	1.98	0.96	0.82
Adams, Pat	-0.06	-1.74	-0.76	0.44	0.38	-0.78	-1.23	0.42	-0.60							-1.25	-0.63	-0.53	0.74
Rodriguez, Jesse	-0.06	-1.00	0.26	0.61	-0.63	-0.42	-0.08	0.46	0.17							-0.35	-0.34	-0.13	0.48
Viera, Ralph	-0.06	-1.44	0.08	1.31	-1.78	1.95	-1.33	0.21	-0.77							-0.37	-0.60	-0.25	1.14
Seiz, Ray	-0.06	1.13	0.68	0.15	0.16	0.43	0.65	-0.15	0.35							1.09	0.82	0.48	0.44
Lowsky, John	-0.06	-0.59	-0.29	1.53	-0.18	1.07	-0.60	-0.86	-0.80							0.10	0.22	-0.04	0.76
Pansza, Mike	-0.06	-0.11	-1.11	-0.29	0.69	0.33	-0.32	0.17	-0.12							-0.28	-0.15	-0.11	0.45
Sanchez, Arl	-0.06	-0.18	0.98	0.99	0.91	1.02	0.94	0.24	0.72							1.60	1.49	0.79	0.57
Yi MAXIMUM	3.82	2.25	-2.52	-2.79	1.89	1.95	-2.53	-4.25	-3.66							-2.59	-2.60	-1.27	2.38
Yi MINIMUM	-0.06	0.00	0.08	-0.07	0.04	0.02	-0.05	-0.01	-0.02							-0.05	-0.10	0.01	0.36
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.76	4.48	8.27	2.41	7.96	1.74	9.03	9.69	9.36							44.35	6.00		
Ratings STD	0.13	0.46	0.40	0.41	0.36	0.39	0.38	0.28	0.30							1.16	0.19		

Light Duty Rating Workshop

PART ID = Sequence III Piston A3

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.96	0.80	8.30	1.08	2.72	3.35	7.48	9.61	8.55							34.30	3.96
Caproni, David	0.85	1.88	7.64	0.75	3.07	3.30	5.95	9.28	7.62							32.72	3.88
Foecking, Brian	0.90	0.75	8.38	1.06	2.33	3.65	7.27	9.37	8.32							33.71	3.85
Castillo, George	0.76	0.75	8.03	0.98	2.44	2.64	6.75	9.24	8.00							31.59	3.66
Lopez, Frank	0.75	0.75	7.79	1.16	2.22	2.44	6.44	9.56	8.00							31.11	3.55
Garcia, Orlando	0.94	0.75	7.54	0.97	3.01	3.59	7.04	9.51	8.28							33.35	3.87
Radonich, Pete	0.78	0.75	7.78	0.87	2.10	2.70	7.21	9.33	8.27							31.52	3.53
Guarda, Waldyr	0.93	0.56	7.81	0.65	2.98	2.71	6.69	8.49	7.59							30.82	3.69
Cales, Jonathon	0.75	0.72	7.26	0.94	2.82	3.12	7.09	8.86	7.98							31.56	3.66
Tschirhart, Garland	0.68	0.68	8.15	0.68	3.42	3.72	6.25	9.13	7.69							32.71	4.00
Kobrinetz, Jack	0.97	0.75	8.40	0.86	2.14	3.08	7.45	9.42	8.44							33.07	3.73
Yanchar, Pau	0.88	0.73	8.10	0.94	2.80	2.58	7.07	9.25	8.16							32.35	3.79
Avis, Steve	0.75	0.75	7.92	1.14	1.82	2.94	7.54	9.39	8.47							32.25	3.55
Viera, Ralph	0.49	0.72	8.08	1.26	2.58	2.83	6.05	9.46	7.76							31.47	3.73
Ramirez, Robert	0.75	0.75	7.74	1.14	2.87	3.87	7.70	9.45	8.58							34.27	3.94
Adams, Pat	0.75	0.75	8.29	0.86	2.18	4.17	6.52	9.65	8.09							33.17	3.78
Pawczuk, Greg	0.78	0.83	7.73	1.08	2.79	3.32	7.18	9.29	8.24							33.00	3.82
Rodriguez, Jesse	1.11	0.75	7.74	1.11	2.06	2.94	7.37	9.27	8.32							32.35	3.59
Seiz, Ray	0.75	0.75	7.33	1.32	3.20	3.25	7.64	9.33	8.49							33.57	3.91
Pansza, Mike	0.92	0.68	7.66	1.07	2.78	3.24	6.72	9.34	8.03							32.41	3.77
Lowsky, John	1.20	0.75	7.23	1.10	3.01	7.14	7.78	9.25	4.68							37.46	3.83
Sanchez, Arl	0.75	0.75	8.27	0.69	2.33	2.91	6.16	9.13	7.65							30.99	3.62
MAXIMUM	1.20	1.88	8.40	1.32	3.42	7.14	7.78	9.65	8.58							37.46	4.00
MINIMUM	0.49	0.56	7.23	0.65	1.82	2.44	5.95	8.49	4.68							30.82	3.53
RANGE (MAX-MIN)	0.71	1.32	1.17	0.67	1.60	4.70	1.83	1.16	3.90							6.64	0.47
MEAN	0.84	0.79	7.87	0.99	2.62	3.34	6.97	9.30	7.96							32.72	3.76
STD	0.15	0.25	0.35	0.19	0.43	0.96	0.56	0.25	0.80							1.47	0.14



yi within 1 79%
 yi within 2 97%
 yi within 3 98%

PART ID = Sequence III Piston A3

Yi VALUES

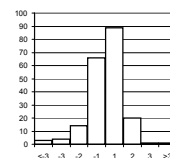
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.82	0.05	1.21	0.50	0.23	0.01	0.91	1.23	0.73							1.08	1.40	0.74	0.49
Caproni, David	0.09	4.38	-0.66	-1.28	1.05	-0.04	-1.82	-0.08	-0.43							0.00	0.89	0.19	1.62
Foecking, Brian	0.42	-0.16	1.44	0.40	-0.68	0.32	0.54	0.28	0.45							0.68	0.66	0.39	0.52
Castillo, George	-0.50	-0.16	0.45	-0.04	-0.43	-0.73	-0.39	-0.24	0.04							-0.77	-0.70	-0.31	0.37
Lopez, Frank	-0.57	-0.16	-0.23	0.94	-0.94	-0.94	-0.95	1.03	0.05							-1.09	-1.47	-0.39	0.82
Garcia, Orlando	0.68	-0.16	-0.94	-0.09	0.91	0.26	0.12	0.83	0.39							0.43	0.76	0.29	0.54
Radonich, Pete	-0.37	-0.16	-0.26	-0.63	-1.22	-0.67	0.43	0.12	0.39							-0.81	-1.66	-0.44	0.65
Guarda, Waldyr	0.62	-0.92	-0.17	-1.82	0.84	-0.66	-0.50	-3.22	-0.47							-1.29	-0.53	-0.74	1.12
Cales, Jonathon	-0.57	-0.28	-1.73	-0.25	0.47	-0.23	0.21	-1.75	0.02							-0.79	-0.73	-0.51	0.72
Tschirhart, Garland	-1.03	-0.44	0.79	-1.65	1.87	0.40	-1.29	-0.68	-0.34							0.00	1.73	-0.06	1.16
Kobrinetz, Jack	0.88	-0.16	1.50	-0.68	-1.13	-0.27	0.86	0.48	0.60							0.24	-0.24	0.19	0.77
Yanchar, Pau	0.29	-0.24	0.65	-0.25	0.42	-0.79	0.18	-0.20	0.25							-0.25	0.23	0.03	0.41
Avis, Steve	-0.57	-0.16	0.14	0.83	-1.88	-0.42	1.02	0.36	0.63							-0.32	-1.47	-0.17	0.91
Viera, Ralph	-2.29	-0.28	0.59	1.47	-0.10	-0.53	-1.65	0.63	-0.26							-0.85	-0.18	-0.31	1.05
Ramirez, Robert	-0.57	-0.16	-0.37	0.83	0.58	0.55	1.30	0.59	0.77							1.06	1.27	0.53	0.64
Adams, Pat	-0.57	-0.16	1.19	-0.68	-1.03	0.87	-0.81	1.39	0.16							0.31	0.14	0.07	0.82
Pawczuk, Greg	-0.37	0.17	-0.40	0.48	0.40	-0.02	0.37	-0.04	0.34							0.19	0.45	0.14	0.31
Rodriguez, Jesse	1.81	-0.16	-0.37	0.67	-1.32	-0.42	0.71	-0.12	0.45							-0.25	-1.22	-0.02	0.90
Seiz, Ray	-0.57	-0.16	-1.53	1.80	1.36	-0.09	1.20	0.12	0.66							0.58	1.08	0.40	0.97
Pansza, Mike	0.55	-0.44	-0.60	0.45	0.37	-0.10	-0.45	0.16	0.09							-0.21	0.06	-0.01	0.39
Lowsky, John	2.40	-0.16	-1.82	0.61	0.91	3.96	1.45	-0.20	-4.12							3.23	0.51	0.62	2.27
Sanchez, Arl	-0.57	-0.16	1.13	-1.60	-0.68	-0.45	-1.45	-0.68	-0.40							-1.18	-0.97	-0.64	0.74
Yi MAXIMUM	2.40	4.38	-1.82	-1.82	-1.88	3.96	-1.82	-3.22	-4.12							3.23	1.73	0.74	2.27
Yi MINIMUM	0.09	0.05	0.14	-0.04	-0.10	0.01	0.12	-0.04	0.02							0.00	0.06	-0.01	0.31
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.84	0.79	7.87	0.99	2.62	3.34	6.97	9.30	7.96							32.72	3.76		
Ratings STD	0.15	0.25	0.35	0.19	0.43	0.96	0.56	0.25	0.80							1.47	0.14		

Light Duty Rating Workshop

PART ID = Sequence III Piston A4

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.76	1.00	8.55	1.24	6.18	1.58	9.41	9.87	9.64							38.59	5.01
Caproni, David	0.45	1.83	7.91	2.26	6.20	2.65	9.19	9.90	9.55							40.39	5.21
Foecking, Brian	0.63	1.16	8.26	1.84	5.24	1.73	8.90	9.90	9.40							37.66	4.76
Castillo, George	0.78	1.45	7.97	1.51	5.35	1.78	8.36	9.77	9.07							36.97	4.69
Lopez, Frank	0.75	0.91	8.32	1.57	5.47	1.07	8.70	9.90	9.30							36.69	4.71
Garcia, Orlando	0.98	1.97	8.03	1.87	5.70	3.98	7.74	9.82	8.78							40.09	5.12
Radonich, Pete	0.68	1.65	8.10	2.00	5.63	2.80	8.44	9.94	9.19							39.24	5.01
Guarda, Waldyr	0.64	1.01	7.73	1.20	5.55	2.69	7.42	8.91	8.17							35.15	4.61
Cales, Jonathon	0.93	2.01	7.85	1.49	5.39	2.22	8.66	9.85	9.26							38.40	4.81
Tschirhart, Garland	0.68	1.12	7.90	1.65	5.70	3.92	9.00	9.80	9.40							39.77	5.02
Kobrinetz, Jack	0.78	1.37	8.04	1.63	6.21	3.21	8.83	9.80	9.32							39.87	5.14
Yanchar, Pau	0.56	1.37	8.30	1.50	6.10	1.80	8.85	9.80	9.33							38.28	4.99
Adams, Pat	0.75	1.33	8.24	1.85	6.00	2.20	8.90	9.90	9.40							39.17	5.06
Avis, Steve	0.65	1.52	7.92	1.75	6.28	1.99	8.73	9.85	9.29							38.69	5.04
Viera, Ralph	0.80	1.45	7.89	2.14	6.27	3.19	8.55	9.84	9.20							40.13	5.20
Pawczuk, Greg	0.84	1.20	6.96	2.33	6.18	1.96	8.80	9.85	9.33							38.12	4.89
Rodriguez, Jesse	0.75	1.78	7.82	1.70	4.82	1.95	8.90	9.75	9.33							37.47	4.61
Ramirez, Robert	0.99	1.55	8.27	2.21	5.93	2.65	8.89	9.83	9.36							40.32	5.17
Seiz, Ray	0.67	3.17	8.05	1.98	6.80	3.12	8.82	9.60	9.21							42.21	5.53
Pansza, Mike	0.70	1.21	7.86	2.14	6.04	2.87	8.54	9.62	9.08							38.98	5.06
Lowsky, John	0.68	1.56	7.58	2.10	6.47	3.70	8.73	9.43	9.08							40.25	5.24
Sanchez, Arl	0.60	1.34	8.19	1.57	6.74	1.85	8.68	9.88	9.28							38.85	5.17
MAXIMUM	0.99	3.17	8.55	2.33	6.80	3.98	9.41	9.94	9.64							42.21	5.53
MINIMUM	0.45	0.91	6.96	1.20	4.82	1.07	7.42	8.91	8.17							35.15	4.61
RANGE (MAX-MIN)	0.54	2.26	1.59	1.13	1.98	2.91	1.99	1.03	1.48							7.06	0.92
MEAN	0.73	1.50	7.99	1.80	5.92	2.50	8.68	9.76	9.22							38.88	5.00
STD	0.13	0.48	0.32	0.32	0.50	0.79	0.43	0.22	0.30							1.53	0.23



yi within 1 78%
 yi within 2 95%
 yi within 3 98%

PART ID = Sequence III Piston A4

Yi VALUES

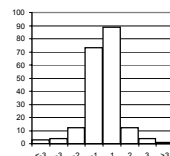
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.23	-1.04	1.74	-1.73	0.52	-1.15	1.70	0.47	1.41							-0.19	0.04	0.18	1.16
Caproni, David	-2.15	0.69	-0.24	1.44	0.56	0.19	1.18	0.61	1.09							0.99	0.89	0.48	0.99
Foecking, Brian	-0.77	-0.70	0.84	0.13	-1.37	-0.96	0.51	0.61	0.60							-0.79	-1.04	-0.27	0.81
Castillo, George	0.39	-0.10	-0.06	-0.89	-1.15	-0.90	-0.76	0.03	-0.54							-1.24	-1.33	-0.60	0.58
Lopez, Frank	0.16	-1.22	1.03	-0.70	-0.91	-1.79	0.04	0.61	0.26							-1.43	-1.28	-0.48	0.93
Garcia, Orlando	1.93	0.98	0.13	0.23	-0.45	1.87	-2.21	0.25	-1.50							0.79	0.51	0.23	1.26
Radonich, Pete	-0.38	0.32	0.35	0.63	-0.59	0.38	-0.57	0.78	-0.11							0.24	0.02	0.10	0.46
Guarda, Waldyr	-0.69	-1.02	-0.80	-1.85	-0.75	0.24	-2.95	-3.81	-3.59							-2.43	-1.70	-1.76	1.31
Cales, Jonathon	1.54	1.06	-0.43	-0.95	-1.07	-0.35	-0.06	0.38	0.11							-0.31	-0.85	-0.08	0.82
Tschirhart, Garland	-0.38	-0.79	-0.27	-0.46	-0.45	1.79	0.74	0.16	0.60							0.58	0.06	0.14	0.74
Kobrinetz, Jack	0.39	-0.27	0.16	-0.52	0.58	0.90	0.34	0.16	0.31							0.65	0.62	0.30	0.41
Yanchar, Pau	-1.30	-0.27	0.97	-0.92	0.36	-0.88	0.39	0.16	0.34							-0.39	-0.04	-0.14	0.68
Adams, Pat	0.16	-0.35	0.78	0.17	0.16	-0.37	0.51	0.61	0.60							0.19	0.24	0.24	0.37
Avis, Steve	-0.61	0.05	-0.21	-0.14	0.73	-0.64	0.11	0.38	0.22							-0.12	0.18	-0.01	0.40
Viera, Ralph	0.54	-0.10	-0.30	1.07	0.71	0.87	-0.31	0.34	-0.10							0.82	0.88	0.40	0.52
Pawczuk, Greg	0.85	-0.62	-3.19	1.66	0.52	-0.67	0.27	0.38	0.34							-0.49	-0.50	-0.13	1.24
Rodriguez, Jesse	0.16	0.59	-0.52	-0.30	-2.22	-0.69	0.51	-0.06	0.34							-0.92	-1.71	-0.44	0.90
Ramirez, Robert	2.00	0.11	0.87	1.28	0.02	0.19	0.48	0.29	0.46							0.94	0.73	0.67	0.59
Seiz, Ray	-0.46	3.48	0.19	0.55	1.78	0.79	0.32	-0.73	-0.05							2.17	2.29	0.94	1.32
Pansza, Mike	-0.23	-0.60	-0.40	1.07	0.24	0.47	-0.34	-0.64	-0.49							0.07	0.24	-0.06	0.53
Lowsky, John	-0.38	0.13	-1.27	0.94	1.11	1.52	0.11	-1.49	-0.49							0.90	1.03	0.19	1.01
Sanchez, Arl	-1.00	-0.33	0.63	-0.70	1.65	-0.81	-0.01	0.52	0.19							-0.02	0.74	0.08	0.79
Yi MAXIMUM	-2.15	3.48	-3.19	-1.85	-2.22	1.87	-2.95	-3.81	-3.59							-2.43	2.29	-1.76	1.32
Yi MINIMUM	0.16	0.05	-0.06	0.13	0.02	0.19	-0.01	0.03	-0.05							-0.02	0.02	-0.01	0.37
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.73	1.50	7.99	1.80	5.92	2.50	8.68	9.76	9.22							38.88	5.00		
Ratings STD	0.13	0.48	0.32	0.32	0.50	0.79	0.43	0.22	0.30							1.53	0.23		

Light Duty Rating Workshop

PART ID = Sequence III Piston A5

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.78	0.80	9.12	0.70	3.47	4.35	7.12	9.70	8.41							36.04	4.37
Caproni, David	0.75	1.38	8.79	0.88	4.52	4.35	6.65	9.72	8.19							37.04	4.68
Foecking, Brian	0.71	0.73	8.98	0.79	3.40	4.10	6.60	9.62	8.11							34.93	4.26
Castillo, George	0.75	0.86	8.62	1.08	3.55	4.71	7.12	9.43	8.28							36.12	4.37
Lopez, Frank	0.75	0.73	8.67	0.98	4.25	4.83	7.00	9.59	8.30							36.80	4.58
Garcia, Orlando	0.75	0.76	8.17	0.79	3.80	4.80	7.43	9.67	8.55							36.17	4.34
Radonich, Pete	0.75	0.76	8.91	0.84	3.53	4.60	6.95	9.60	8.28							35.94	4.37
Guarda, Waldyr	0.56	0.94	8.40	0.77	3.64	3.74	6.73	8.94	7.84							33.72	4.17
Cales, Jonathon	0.75	0.97	8.53	0.67	3.61	4.08	7.17	9.71	8.44							35.49	4.28
Tschirhart, Garland	0.68	0.85	8.93	0.45	4.40	4.42	6.25	9.50	7.88							35.48	4.52
Kobrinetz, Jack	0.80	0.86	9.03	0.87	3.96	4.46	7.28	9.67	8.48							36.93	4.54
Viera, Ralph	0.45	0.76	9.09	0.88	4.10	5.40	7.17	9.44	4.66							37.29	4.28
Yanchar, Pau	0.75	0.79	8.97	0.68	3.65	3.30	7.22	9.45	8.34							34.81	4.27
Adams, Pat	0.75	0.74	8.52	0.82	3.69	4.82	6.48	9.73	8.11							35.55	4.34
Pawczuk, Greg	0.76	0.84	6.81	1.40	3.97	5.95	7.30	8.89	8.10							35.92	4.29
Rodriguez, Jesse	0.75	0.75	8.98	1.01	3.52	4.47	7.57	9.61	8.59							36.66	4.42
Ramirez, Robert	0.75	0.75	8.76	1.43	3.98	5.43	7.91	9.56	8.74							38.57	4.69
Seiz, Ray	0.75	1.11	8.18	1.15	4.01	5.18	7.41	9.48	8.45							37.27	4.52
Avis, Steve	0.75	0.83	8.58	0.92	3.43	3.64	7.85	9.73	8.79							35.73	4.25
Pansza, Mike	0.75	0.82	8.36	0.95	4.62	4.33	7.13	9.44	8.29							36.40	4.58
Lowsky, John	0.75	0.75	8.50	1.28	4.64	4.88	8.28	9.69	8.99							38.77	4.78
Sanchez, Arl	0.75	0.75	9.17	0.90	4.12	5.29	6.44	9.51	7.98							36.93	4.64
MAXIMUM	0.80	1.38	9.17	1.43	4.64	5.95	8.28	9.73	8.99							38.77	4.78
MINIMUM	0.45	0.73	6.81	0.45	3.40	3.30	6.25	8.89	4.66							33.72	4.17
RANGE (MAX-MIN)	0.35	0.65	2.36	0.98	1.24	2.65	2.03	0.84	4.33							5.05	0.62
MEAN	0.73	0.84	8.64	0.92	3.90	4.60	7.14	9.53	8.17							36.30	4.43
STD	0.08	0.15	0.51	0.24	0.39	0.63	0.50	0.22	0.83							1.16	0.17



yi within 1 82%
 yi within 2 94%
 yi within 3 98%

PART ID = Sequence III Piston A5

Yi VALUES

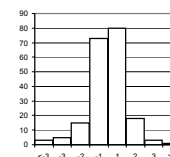
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.69	-0.28	0.95	-0.93	-1.10	-0.39	-0.04	0.75	0.29							-0.22	-0.40	-0.06	0.67
Caproni, David	0.30	3.55	0.30	-0.17	1.57	-0.39	-0.98	0.84	0.02							0.64	1.40	0.64	1.22
Foecking, Brian	-0.22	-0.74	0.67	-0.55	-1.27	-0.79	-1.08	0.40	-0.07							-1.18	-0.99	-0.53	0.65
Castillo, George	0.30	0.12	-0.04	0.68	-0.89	0.18	-0.04	-0.45	0.13							-0.15	-0.35	-0.05	0.42
Lopez, Frank	0.30	-0.74	0.06	0.25	0.88	0.37	-0.28	0.26	0.15							0.43	0.84	0.23	0.46
Garcia, Orlando	0.30	-0.54	-0.93	-0.55	-0.26	0.32	0.58	0.62	0.46							-0.11	-0.54	-0.06	0.54
Radonich, Pete	0.30	-0.54	0.53	-0.34	-0.95	0.01	-0.38	0.31	0.13							-0.31	-0.38	-0.15	0.44
Guarda, Waldyr	-2.17	0.64	-0.47	-0.63	-0.67	-1.36	-0.82	-2.63	-0.40							-2.22	-1.55	-1.12	0.97
Cales, Jonathon	0.30	0.84	-0.22	-1.05	-0.74	-0.82	0.06	0.80	0.32							-0.70	-0.92	-0.19	0.70
Tschirhart, Garland	-0.61	0.05	0.57	-1.98	1.26	-0.28	-1.78	-0.14	-0.35							-0.71	0.51	-0.31	0.96
Kobrinetz, Jack	0.95	0.12	0.77	-0.21	0.15	-0.22	0.28	0.62	0.37							0.54	0.64	0.36	0.38
Viera, Ralph	-3.60	-0.54	0.89	-0.17	0.50	1.27	0.06	-0.40	-4.20							0.85	-0.87	-0.56	1.78
Yanchar, Pau	0.30	-0.34	0.65	-1.01	-0.64	-2.06	0.16	-0.36	0.20							-1.28	-0.95	-0.48	0.80
Adams, Pat	0.30	-0.67	-0.24	-0.42	-0.54	0.35	-1.32	0.89	-0.08							-0.64	-0.56	-0.27	0.61
Pawczuk, Greg	0.43	-0.01	-3.62	2.03	0.17	2.15	0.32	-2.85	-0.09							-0.33	-0.84	-0.24	1.74
Rodriguez, Jesse	0.30	-0.61	0.67	0.38	-0.97	-0.20	0.86	0.35	0.50							0.31	-0.07	0.14	0.55
Ramirez, Robert	0.30	-0.61	0.24	2.15	0.20	1.32	1.54	0.13	0.68							1.96	1.49	0.85	0.88
Seiz, Ray	0.30	1.77	-0.91	0.97	0.27	0.93	0.54	-0.23	0.33							0.84	0.52	0.48	0.69
Avis, Steve	0.30	-0.08	-0.12	0.00	-1.20	-1.52	1.42	0.89	0.74							-0.49	-1.09	-0.10	0.92
Pansza, Mike	0.30	-0.15	-0.55	0.13	1.82	-0.42	-0.02	-0.40	0.14							0.09	0.86	0.16	0.68
Lowsky, John	0.30	-0.61	-0.28	1.52	1.87	0.45	2.28	0.71	0.98							2.13	2.03	1.03	1.00
Sanchez, Arl	0.30	-0.61	1.05	-0.08	0.55	1.10	-1.40	-0.09	-0.23							0.54	1.22	0.21	0.80
Yi MAXIMUM	-3.60	3.55	-3.62	2.15	1.87	2.15	2.28	-2.85	-4.20							-2.22	2.03	-1.12	1.78
Yi MINIMUM	-0.22	-0.01	-0.04	0.68	0.15	0.01	-0.02	-0.09	0.02							0.09	-0.07	-0.05	0.38
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.73	0.84	8.64	0.92	3.90	4.60	7.14	9.53	8.17							36.30	4.43		
Ratings STD	0.08	0.15	0.51	0.24	0.39	0.63	0.50	0.22	0.83							1.16	0.17		

Light Duty Rating Workshop

PART ID = Sequence III Piston A6

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.75	0.76	8.41	0.75	2.33	2.62	7.80	9.73	8.77							33.15	3.75
Caproni, David	0.75	0.88	8.40	0.75	2.55	2.41	6.90	9.49	8.20							32.13	3.74
Foecking, Brian	0.75	0.76	7.57	0.89	2.42	1.65	7.80	9.65	8.73							31.49	3.52
Castillo, George	0.75	0.75	7.88	0.90	2.24	3.08	7.67	9.39	8.53							32.66	3.66
Lopez, Frank	0.75	0.75	8.10	0.89	2.12	1.76	7.21	9.80	8.51							31.38	3.53
Garcia, Orlando	0.75	0.75	8.04	0.91	2.63	3.26	7.40	9.70	8.55							33.44	3.83
Radonich, Pete	0.75	0.75	7.40	0.80	2.13	2.50	7.65	9.61	8.63							31.59	3.46
Guarda, Waldyr	0.41	0.86	7.74	0.69	2.30	2.49	6.32	8.82	7.57							29.63	3.45
Cales, Jonathon	0.75	1.00	7.63	0.87	2.76	2.43	7.66	9.67	8.67							32.77	3.73
Tschirhart, Garland	0.75	0.80	8.31	0.68	2.03	2.00	8.42	9.61	9.02							32.60	3.59
Kobrinetz, Jack	0.75	0.75	7.99	0.79	2.26	2.71	7.62	9.66	8.64							32.53	3.64
Viera, Ralph	0.26	0.63	5.46	0.81	2.11	3.43	8.07	9.41	8.74							30.18	3.14
Yanchar, Pau	0.75	0.75	7.70	0.78	2.13	1.82	7.85	9.40	8.63							31.18	3.45
Avis, Steve	0.68	0.75	7.94	0.73	2.05	2.31	8.22	9.76	8.99							32.44	3.55
Adams, Pat	0.75	0.79	8.38	0.72	2.28	2.69	7.44	9.48	8.46							32.53	3.70
Pawczuk, Greg	0.76	0.79	7.49	1.11	2.20	3.43	7.51	9.34	8.43							32.63	3.63
Rodriguez, Jesse	0.75	0.75	7.68	0.89	2.28	1.90	7.39	9.48	8.44							31.12	3.50
Ramirez, Robert	0.69	0.75	8.31	0.99	2.58	2.01	7.88	9.54	8.71							32.75	3.77
Seiz, Ray	0.75	0.87	7.94	0.86	2.33	2.86	7.25	9.52	8.39							32.38	3.67
Pansza, Mike	0.75	0.70	7.96	0.78	2.21	3.87	7.44	9.51	8.48							33.22	3.71
Lowsky, John	0.75	0.75	7.90	0.89	2.44	2.51	8.55	9.41	8.98							33.20	3.71
Sanchez, Arl	0.75	0.75	7.90	0.71	2.44	1.94	6.39	9.61	8.00							30.49	3.53
MAXIMUM	0.76	1.00	8.41	1.11	2.76	3.87	8.55	9.80	9.02							33.44	3.83
MINIMUM	0.26	0.63	5.46	0.68	2.03	1.65	6.32	8.82	7.57							29.63	3.14
RANGE (MAX-MIN)	0.50	0.37	2.95	0.43	0.73	2.22	2.23	0.98	1.45							3.81	0.69
MEAN	0.71	0.78	7.82	0.83	2.31	2.53	7.57	9.53	8.55							32.07	3.60
STD	0.12	0.07	0.61	0.10	0.20	0.60	0.55	0.20	0.33							1.05	0.15



yi within 1 77%
 yi within 2 94%
 yi within 3 98%

PART ID = Sequence III Piston A6

Yi VALUES

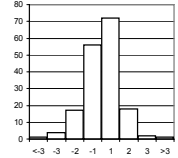
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.35	-0.23	0.97	-0.73	0.10	0.15	0.42	0.99	0.67							1.04	0.94	0.42	0.57
Caproni, David	0.35	1.41	0.95	-0.73	1.23	-0.20	-1.21	-0.18	-1.08							0.06	0.93	0.14	0.92
Foecking, Brian	0.35	-0.23	-0.42	0.60	0.56	-1.46	0.42	0.60	0.55							-0.55	-0.51	-0.01	0.68
Castillo, George	0.35	-0.37	0.09	0.70	-0.36	0.91	0.19	-0.67	-0.05							0.57	0.36	0.16	0.49
Lopez, Frank	0.35	-0.37	0.46	0.60	-0.97	-1.28	-0.64	1.34	-0.13							-0.66	-0.49	-0.16	0.77
Garcia, Orlando	0.35	-0.37	0.36	0.79	1.64	1.21	-0.30	0.85	0.01							1.31	1.48	0.67	0.71
Radonich, Pete	0.35	-0.37	-0.70	-0.26	-0.92	-0.05	0.15	0.41	0.26							-0.46	-0.91	-0.23	0.49
Guarda, Waldyr	-2.39	1.13	-0.14	-1.30	-0.05	-0.07	-2.26	-3.46	-3.00							-2.33	-0.98	-1.35	1.45
Cales, Jonathon	0.35	3.04	-0.32	0.41	2.30	-0.17	0.17	0.70	0.36							0.67	0.85	0.76	1.02
Tschirhart, Garland	0.35	0.32	0.80	-1.40	-1.43	-0.88	1.55	0.41	1.44							0.51	-0.07	0.14	1.02
Kobrinetz, Jack	0.35	-0.37	0.27	-0.35	-0.26	0.30	0.10	0.65	0.29							0.44	0.26	0.15	0.34
Viera, Ralph	-3.60	-2.00	-3.91	-0.16	-1.02	1.49	0.91	-0.57	0.60							-1.81	-3.05	-1.19	1.84
Yanchar, Pau	0.35	-0.37	-0.21	-0.45	-0.92	-1.18	0.52	-0.62	0.24							-0.85	-0.98	-0.41	0.58
Avis, Steve	-0.22	-0.37	0.19	-0.92	-1.33	-0.37	1.19	1.14	1.36							0.36	-0.34	0.06	0.88
Adams, Pat	0.35	0.18	0.92	-1.02	-0.15	0.26	-0.23	-0.23	-0.26							0.44	0.64	0.08	0.53
Pawczuk, Greg	0.43	0.18	-0.55	2.70	-0.56	1.49	-0.10	-0.91	-0.37							0.54	0.16	0.27	1.04
Rodriguez, Jesse	0.35	-0.37	-0.24	0.60	-0.15	-1.04	-0.32	-0.23	-0.34							-0.91	-0.68	-0.30	0.48
Ramirez, Robert	-0.14	-0.37	0.80	1.55	1.38	-0.86	0.57	0.06	0.50							0.65	1.08	0.48	0.74
Seiz, Ray	0.35	1.27	0.19	0.32	0.10	0.54	-0.57	-0.03	-0.49							0.30	0.41	0.22	0.50
Pansza, Mike	0.35	-1.05	0.22	-0.45	-0.51	2.22	-0.23	-0.08	-0.22							1.10	0.73	0.19	0.90
Lowsky, John	0.35	-0.37	0.13	0.60	0.67	-0.03	1.78	-0.57	1.33							1.08	0.69	0.51	0.71
Sanchez, Arl	0.35	-0.37	0.13	-1.11	0.67	-0.98	-2.13	0.41	-1.68							-1.51	-0.51	-0.61	0.94
Yi MAXIMUM	-3.60	3.04	-3.91	2.70	2.30	2.22	-2.26	-3.46	-3.00							-2.33	-3.05	-1.35	1.84
Yi MINIMUM	-0.14	0.18	0.09	-0.16	-0.05	-0.03	0.10	-0.03	0.01							0.06	-0.07	-0.01	0.34
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.71	0.78	7.82	0.83	2.31	2.53	7.57	9.53	8.55							32.07	3.60		
Ratings STD	0.12	0.07	0.61	0.10	0.20	0.60	0.55	0.20	0.33							1.05	0.15		

Light Duty Rating Workshop

PART ID = Sequence III Piston B1

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Hills, Barry	0.75	0.86	9.52	0.69	2.84	0.86	8.46	9.70	9.08						33.68	3.98
Caproni, David	0.70	0.93	8.20	0.82	3.46	1.40	7.65	9.49	8.57						32.65	3.93
Foecking, Brian	0.75	0.76	8.98	0.77	2.48	1.05	7.50	9.60	8.55						31.89	3.73
Castillo, George	0.75	0.82	8.55	1.06	2.86	1.27	7.68	9.34	8.51						32.33	3.82
Lopez, Frank	0.75	0.78	9.02	1.06	2.60	1.03	7.91	9.69	8.80						32.84	3.84
Garcia, Orlando	0.75	0.83	8.38	0.91	3.03	1.50	7.48	9.65	8.57						32.53	3.85
Radonich, Pete	0.75	0.75	8.90	1.04	2.85	1.20	7.90	9.74	8.82						33.13	3.91
Cales, Jonathon	0.75	1.18	8.35	0.32	3.56	1.20	7.87	9.60	8.74						32.83	3.94
Tschirhart, Garland	0.75	0.75	8.90	0.99	3.05	1.00	7.44	9.75	8.60						32.63	3.92
Kobrinetz, Jack	0.75	0.84	9.15	1.00	3.34	0.93	7.74	9.58	8.66						33.33	4.06
Adams, Pat	0.75	0.75	8.76	0.87	3.14	1.08	7.01	9.69	8.35						32.05	3.88
Ramirez, Robert	0.75	0.75	8.42	1.14	3.28	1.47	8.15	9.59	8.87						33.55	3.99
Pansza, Mike	0.75	0.88	8.53	0.91	2.68	1.36	7.63	9.12	8.38						31.86	3.75
Viera, Ralph	0.56	0.78	8.92	0.60	3.01	1.30	7.22	9.63	8.43						32.02	3.86
Yanchar, Paul	0.75	0.79	9.28	0.68	2.62	1.00	7.70	9.50	8.60						32.32	3.82
Avis, Steve	0.75	0.79	9.18	1.04	2.58	1.20	8.04	9.71	8.88						33.29	3.89
Rodriguez, Jesse	0.75	0.84	8.62	0.88	2.56	1.15	7.80	9.52	8.66						32.12	3.73
Lowsky, John	0.75	0.75	8.75	1.19	3.30	1.94	8.00	9.43	8.72						34.11	4.10
Sanchez, Art	0.75	0.83	9.02	1.36	3.02	1.19	6.47	9.53	8.00						32.17	3.95
MAXIMUM	0.75	1.18	9.52	1.36	3.56	1.94	8.46	9.75	9.08						34.11	4.10
MINIMUM	0.56	0.75	8.20	0.32	2.48	0.86	6.47	9.12	8.00						31.86	3.73
RANGE (MAX-MIN)	0.19	0.43	1.32	1.04	1.08	1.08	1.99	0.63	1.08						2.25	0.37
MEAN	0.74	0.82	8.81	0.91	2.96	1.22	7.67	9.57	8.62						32.70	3.89
STD	0.04	0.10	0.35	0.24	0.33	0.25	0.44	0.15	0.24						0.66	0.10



yi within 1 75%
 yi within 2 95%
 yi within 3 99%

PART ID = Sequence III Piston B1

Yi VALUES

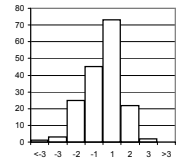
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Hills, Barry	0.28	0.36	2.01	-0.94	-0.37	-1.43	1.81	0.83	1.94						1.48	0.85	0.62	1.17
Caproni, David	-0.84	1.06	-1.74	-0.39	1.53	0.73	-0.04	-0.53	-0.20						-0.08	0.35	-0.01	0.91
Foecking, Brian	0.28	-0.64	0.48	-0.60	-1.47	-0.67	-0.38	0.18	-0.29						-1.23	-1.59	-0.54	0.69
Castillo, George	0.28	-0.04	-0.74	0.63	-0.31	0.21	0.03	-1.50	-0.46						-0.56	-0.65	-0.28	0.59
Lopez, Frank	0.28	-0.44	0.59	0.63	-1.11	-0.75	0.56	0.77	0.76						0.21	-0.48	0.09	0.67
Garcia, Orlando	0.28	0.06	-1.23	-0.01	0.21	1.13	-0.42	0.51	-0.23						-0.26	-0.41	-0.03	0.60
Radonich, Pete	0.28	-0.74	0.25	0.54	-0.34	-0.07	0.53	1.09	0.85						0.65	0.15	0.29	0.53
Cales, Jonathon	0.28	3.55	-1.31	-2.51	1.83	-0.07	0.47	0.18	0.49						0.19	0.44	0.32	1.54
Tschirhart, Garland	0.28	-0.74	0.25	0.33	0.27	-0.87	-0.51	1.16	-0.10						-0.11	0.25	0.02	0.58
Kobrinetz, Jack	0.28	0.16	0.96	0.37	1.16	-1.15	0.17	0.05	0.17						0.95	1.70	0.44	0.75
Adams, Pat	0.28	-0.74	-0.15	-0.18	0.55	-0.55	-1.49	0.77	-1.13						-0.99	-0.10	-0.34	0.71
Ramirez, Robert	0.28	-0.74	-1.11	0.97	0.98	1.01	1.10	0.12	1.06						1.29	0.94	0.54	0.81
Pansza, Mike	0.28	0.56	-0.80	-0.01	-0.86	0.57	-0.08	-2.92	-1.03						-1.28	-1.43	-0.64	1.05
Viera, Ralph	-3.99	-0.44	0.31	-1.32	0.15	0.33	-1.02	0.38	-0.82						-1.03	-0.34	-0.71	1.25
Yanchar, Paul	0.28	-0.34	1.33	-0.98	-1.04	-0.87	0.08	-0.46	-0.08						-0.58	-0.69	-0.31	0.69
Avis, Steve	0.28	-0.34	1.04	0.54	-1.17	-0.07	0.85	0.90	1.08						0.89	0.00	0.36	0.71
Rodriguez, Jesse	0.28	0.16	-0.55	-0.14	-1.23	-0.27	0.31	-0.33	0.17						-0.88	-1.62	-0.37	0.64
Lowsky, John	0.28	-0.74	-0.18	1.18	1.04	2.89	0.76	-0.92	0.41						2.14	2.03	0.81	1.21
Sanchez, Art	0.28	0.06	0.59	1.90	0.18	-0.11	-2.72	-0.27	-2.60						-0.81	0.62	-0.26	1.36
Yi MAXIMUM	-3.99	3.55	2.01	-2.51	1.83	2.89	-2.72	-2.92	-2.60						2.14	2.03	0.81	1.54
Yi MINIMUM	0.28	-0.04	-0.15	-0.01	0.15	-0.07	0.03	0.05	-0.08						-0.08	0.00	-0.01	0.53
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						1.00	1.00		
Ratings MEAN	0.74	0.82	8.81	0.91	2.96	1.22	7.67	9.57	8.62						32.70	3.89		
Ratings STD	0.04	0.10	0.35	0.24	0.33	0.25	0.44	0.15	0.24						0.66	0.10		

Light Duty Rating Workshop

PART ID = Sequence III Piston B2

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Hills, Barry	0.75	0.75	7.00	0.69	1.68	0.92	7.42	9.81	8.62						29.02	3.07
Caproni, David	0.75	0.75	6.36	0.56	1.73	0.85	6.70	9.61	8.16						27.31	2.89
Foecking, Brian	0.78	0.75	7.12	0.78	1.52	1.29	6.17	9.65	7.91						28.06	3.03
Castillo, George	0.75	0.75	6.76	0.78	1.79	1.19	7.00	9.61	8.31						28.63	3.07
Lopez, Frank	0.75	0.75	7.20	0.76	1.74	0.75	6.37	9.74	8.06						28.06	3.07
Garcia, Orlando	0.77	0.75	7.18	1.05	1.90	1.51	6.46	9.72	8.09						29.34	3.24
Radonich, Pete	0.75	0.75	6.87	0.68	1.60	1.10	6.85	9.82	8.34						28.42	3.01
Cales, Jonathon	0.67	0.75	6.81	0.81	1.83	0.83	7.32	9.75	8.54						28.77	3.08
Tschirhart, Garland	0.75	0.75	6.75	0.60	1.82	0.88	6.90	9.73	8.32						28.18	3.02
Kobrinetz, Jack	0.75	0.75	6.60	0.74	1.73	1.01	7.20	9.69	8.45						28.47	3.01
Adams, Pat	0.75	0.66	7.38	0.58	1.99	1.16	7.67	9.80	8.74						29.99	3.25
Ramirez, Robert	0.75	0.75	7.50	0.83	2.09	1.23	7.54	9.74	8.64						30.43	3.35
Pansza, Mike	0.64	0.76	6.87	0.85	1.67	0.85	7.24	9.42	8.33						28.30	3.03
Yanchar, Paul	0.75	0.77	6.88	0.69	1.68	0.96	7.20	9.55	8.38						28.48	3.03
Avis, Steve	0.75	0.75	6.66	0.68	1.59	0.83	7.54	9.81	8.68						28.61	2.97
Viera, Ralph	0.68	0.68	6.90	0.92	1.57	1.40	5.99	9.74	7.87						27.88	3.02
Rodriguez, Jesse	0.75	0.75	6.59	0.72	1.56	1.30	7.02	9.74	8.38						28.43	2.97
Lowsky, John	0.68	0.75	7.24	0.88	1.85	1.30	8.03	9.75	8.89						30.48	3.26
Sanchez, Art	0.75	0.75	6.86	0.60	1.64	0.86	6.25	9.69	7.97						27.40	2.95
MAXIMUM	0.78	0.77	7.50	1.05	2.09	1.51	8.03	9.82	8.89						30.48	3.35
MINIMUM	0.64	0.66	6.36	0.56	1.52	0.75	5.99	9.42	7.87						27.31	2.89
RANGE (MAX-MIN)	0.14	0.11	1.14	0.49	0.57	0.76	2.04	0.40	1.03						3.17	0.46
MEAN	0.74	0.74	6.92	0.75	1.74	1.06	6.99	9.70	8.35						28.65	3.07
STD	0.04	0.03	0.29	0.13	0.15	0.23	0.56	0.10	0.29						0.88	0.12



yi within 1 69%
 yi within 2 96%
 yi within 3 99%

PART ID = Sequence III Piston B2

Yi VALUES

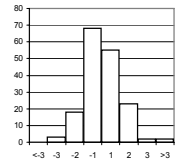
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Hills, Barry	0.39	0.26	0.27	-0.46	-0.37	-0.63	0.77	1.06	0.92						0.42	0.03	0.24	0.56
Caproni, David	0.39	0.26	-1.94	-1.49	-0.04	-0.94	-0.53	-0.93	-0.67						-1.51	-1.51	-0.81	0.78
Foecking, Brian	1.19	0.26	0.68	0.26	-1.42	0.99	-1.48	-0.54	-1.51						-0.66	-0.32	-0.23	0.99
Castillo, George	0.39	0.26	-0.56	0.26	0.36	0.55	0.01	-0.93	-0.15						-0.02	-0.01	0.01	0.44
Lopez, Frank	0.39	0.26	0.96	0.10	0.03	-1.38	-1.12	0.36	-1.01						-0.66	-0.01	-0.19	0.74
Garcia, Orlando	0.92	0.26	0.89	2.40	1.08	1.95	-0.96	0.16	-0.89						0.79	1.39	0.73	1.05
Radonich, Pete	0.39	0.26	-0.18	-0.53	-0.90	0.16	-0.26	1.16	-0.05						-0.25	-0.48	-0.06	0.55
Cales, Jonathon	-1.73	0.26	-0.39	0.50	0.62	-1.03	0.59	0.46	0.64						0.14	0.06	0.01	0.77
Tschirhart, Garland	0.39	0.26	-0.60	-1.17	0.56	-0.81	-0.17	0.26	-0.12						-0.53	-0.43	-0.21	0.55
Kobrinetz, Jack	0.39	0.26	-1.11	-0.06	-0.04	-0.24	0.37	-0.14	0.33						-0.20	-0.51	-0.09	0.45
Adams, Pat	0.39	-3.14	1.58	-1.33	1.68	0.42	1.21	0.96	1.33						1.52	1.52	0.56	1.50
Ramirez, Robert	0.39	0.26	1.99	0.66	2.34	0.73	0.98	0.36	1.01						2.02	2.34	1.19	0.82
Pansza, Mike	-2.53	0.64	-0.18	0.81	-0.43	-0.94	0.44	-2.83	-0.06						-0.39	-0.34	-0.53	1.18
Yanchar, Paul	0.39	1.01	-0.15	-0.46	-0.37	-0.46	0.37	-1.53	0.09						-0.19	-0.32	-0.15	0.64
Avis, Steve	0.39	0.26	-0.91	-0.53	-0.96	-1.03	0.98	1.06	1.13						-0.04	-0.79	-0.04	0.85
Viera, Ralph	-1.47	-2.39	-0.08	1.37	-1.09	1.47	-1.80	0.36	-1.67						-0.86	-0.43	-0.60	1.27
Rodriguez, Jesse	0.39	0.26	-1.15	-0.22	-1.16	1.03	0.05	0.36	0.11						-0.24	-0.79	-0.12	0.68
Lowsky, John	-1.47	0.26	1.09	1.05	0.75	1.03	1.86	0.46	1.87						2.07	1.61	0.96	1.00
Sanchez, Art	0.39	0.26	-0.22	-1.17	-0.63	-0.89	-1.33	-0.14	-1.30						-1.41	-1.00	-0.68	0.65
Yi MAXIMUM	-2.53	-3.14	1.99	2.40	2.34	1.95	1.86	-2.83	1.87						2.07	2.34	1.19	1.50
Yi MINIMUM	0.39	0.26	-0.08	-0.06	0.03	0.16	0.01	-0.14	-0.05						-0.02	-0.01	0.01	0.44
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						1.00	1.00		
Ratings MEAN	0.74	0.74	6.92	0.75	1.74	1.06	6.99	9.70	8.35						28.65	3.07		
Ratings STD	0.04	0.03	0.29	0.13	0.15	0.23	0.56	0.10	0.29						0.88	0.12		

Light Duty Rating Workshop

PART ID = Sequence III Piston B3

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Hills, Barry	1.00	0.93	8.21	1.35	2.84	1.60	7.50	9.43	8.47						32.86	3.85
Caproni, David	0.75	1.95	7.16	1.64	3.40	1.90	7.22	9.05	8.14						33.07	3.93
Foecking, Brian	1.09	0.95	7.53	1.17	2.56	1.65	6.71	9.06	7.89						30.72	3.55
Castillo, George	1.02	1.26	7.56	1.57	2.98	1.55	7.02	9.11	8.07						32.07	3.78
Lopez, Frank	1.16	1.18	7.78	1.88	3.33	1.68	6.20	8.94	7.57						32.15	3.94
Garcia, Orlando	0.98	1.26	7.94	1.61	2.94	1.51	7.31	9.34	8.33						32.89	3.87
Radonich, Pete	0.79	1.03	7.65	1.55	2.80	1.60	7.00	9.05	8.03						31.47	3.71
Cales, Jonathon	1.25	1.68	6.98	1.74	3.54	1.90	7.13	8.93	8.03						33.15	3.94
Tschirhart, Garland	0.75	0.95	7.89	1.55	3.52	1.32	6.86	9.00	7.93						31.84	3.92
Kobrinetz, Jack	1.06	1.14	7.86	1.48	2.86	1.72	7.42	9.07	8.25						32.61	3.82
Adams, Pat	1.25	1.07	7.79	1.14	3.04	1.18	6.43	9.35	7.89						31.25	3.72
Ramirez, Robert	1.01	1.26	7.66	1.59	3.24	1.93	7.62	9.13	8.38						33.44	3.95
Pansza, Mike	0.70	1.24	7.21	1.42	2.94	1.66	7.45	8.86	8.16						31.48	3.68
Yanchar, Paul	0.85	1.00	7.90	1.43	2.47	1.40	7.35	8.98	8.17						31.38	3.63
Avis, Steve	0.75	1.26	7.00	1.51	2.88	1.44	8.02	9.29	8.66						32.15	3.66
Rodriguez, Jesse	1.16	1.05	7.74	1.38	2.84	1.56	7.08	9.33	8.21						32.14	3.75
Viera, Ralph	0.45	1.19	7.50	2.34	3.10	2.12	7.93	9.10	8.52						33.73	3.99
Sanchez, Art	0.75	0.98	8.07	0.96	3.31	1.85	5.98	8.88	7.43						30.78	3.81
Lowsky, John	0.75	1.13	8.05	1.69	3.83	2.79	8.10	9.15	8.63						35.49	4.30
MAXIMUM	1.25	1.95	8.21	2.34	3.83	2.79	8.10	9.43	8.66						35.49	4.30
MINIMUM	0.45	0.93	6.98	0.96	2.47	1.18	5.98	8.86	7.43						30.72	3.55
RANGE (MAX-MIN)	0.80	1.02	1.23	1.38	1.36	1.61	2.12	0.57	1.23						4.77	0.75
MEAN	0.92	1.18	7.66	1.53	3.07	1.70	7.18	9.11	8.14						32.35	3.83
STD	0.22	0.25	0.36	0.29	0.35	0.35	0.57	0.17	0.32						1.15	0.17



yi within 1 72%
 yi within 2 96%
 yi within 3 99%

PART ID = Sequence III Piston B3

Yi VALUES

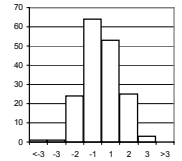
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Hills, Barry	0.36	-1.00	1.55	-0.60	-0.67	-0.30	0.57	1.91	1.00						0.44	0.08	0.30	0.93
Caproni, David	-0.79	3.00	-1.39	0.39	0.93	0.56	0.08	-0.34	-0.02						0.62	0.61	0.33	1.12
Foecking, Brian	0.77	-0.92	-0.36	-1.21	-1.48	-0.15	-0.81	-0.28	-0.79						-1.41	-1.65	-0.75	0.71
Castillo, George	0.45	0.30	-0.27	0.15	-0.27	-0.44	-0.27	0.01	-0.24						-0.24	-0.31	-0.10	0.29
Lopez, Frank	1.10	-0.02	0.35	1.20	0.73	-0.07	-1.70	-0.99	-1.77						-0.17	0.63	-0.06	1.03
Garcia, Orlando	0.27	0.30	0.79	0.28	-0.39	-0.55	0.23	1.38	0.57						0.47	0.23	0.32	0.52
Radonich, Pete	-0.61	-0.61	-0.02	0.08	-0.79	-0.30	-0.30	-0.34	-0.36						-0.76	-0.74	-0.43	0.30
Cales, Jonathon	1.51	1.94	-1.90	0.73	1.34	0.56	-0.08	-1.05	-0.34						0.69	0.66	0.37	1.14
Tschirhart, Garland	-0.79	-0.92	0.65	0.08	1.28	-1.10	-0.55	-0.64	-0.65						-0.44	0.55	-0.23	0.76
Kobrinetz, Jack	0.64	-0.18	0.57	-0.16	-0.62	0.05	0.43	-0.22	0.32						0.22	-0.10	0.09	0.38
Adams, Pat	1.51	-0.45	0.37	-1.31	-0.10	-1.50	-1.30	1.43	-0.78						-0.95	-0.68	-0.34	1.05
Ramirez, Robert	0.41	0.30	0.01	0.22	0.47	0.65	0.77	0.13	0.72						0.94	0.70	0.48	0.30
Pansza, Mike	-1.03	0.22	-1.25	-0.36	-0.39	-0.12	0.48	-1.47	0.04						-0.75	-0.91	-0.50	0.63
Yanchar, Paul	-0.33	-0.73	0.68	-0.33	-1.74	-0.87	0.30	-0.76	0.07						-0.84	-1.17	-0.52	0.69
Avis, Steve	-0.79	0.30	-1.84	-0.06	-0.56	-0.75	1.47	1.08	1.59						-0.17	-1.00	-0.07	1.09
Rodriguez, Jesse	1.10	-0.53	0.23	-0.50	-0.67	-0.41	-0.17	1.32	0.20						-0.18	-0.51	-0.01	0.67
Viera, Ralph	-2.18	0.02	-0.44	2.76	0.07	1.19	1.31	-0.05	1.15						1.19	0.91	0.54	1.27
Sanchez, Art	-0.79	-0.80	1.16	-1.92	0.68	0.42	-2.08	-1.35	-2.20						-1.36	-0.10	-0.76	1.16
Lowsky, John	-0.79	-0.21	1.10	0.56	2.17	3.11	1.61	0.25	1.49						2.72	2.80	1.35	1.30
Yi MAXIMUM	-2.18	3.00	-1.90	2.76	2.17	3.11	-2.08	1.91	-2.20						2.72	2.80	1.35	1.30
Yi MINIMUM	0.27	-0.02	0.01	-0.06	0.07	0.05	0.08	0.01	-0.02						-0.17	0.08	-0.01	0.29
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						1.00	1.00		
Ratings MEAN	0.92	1.18	7.66	1.53	3.07	1.70	7.18	9.11	8.14						32.35	3.83		
Ratings STD	0.22	0.25	0.36	0.29	0.35	0.35	0.57	0.17	0.32						1.15	0.17		

Light Duty Rating Workshop

PART ID = Sequence III Piston B4

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Hills, Barry	0.75	0.56	4.75	0.58	1.70	1.94	6.06	9.58	7.82						25.92	2.62
Caproni, David	0.64	0.75	4.81	0.74	2.40	1.83	6.12	9.40	7.76						26.69	2.86
Foecking, Brian	0.60	0.45	3.92	0.62	1.44	2.03	5.80	9.45	7.63						24.31	2.35
Castillo, George	0.75	0.56	4.51	0.82	1.48	2.33	6.05	8.87	7.46						25.37	2.54
Lopez, Frank	0.71	0.68	4.62	0.82	1.61	1.18	5.80	9.54	7.67						24.96	2.52
Garcia, Orlando	0.75	0.52	5.29	0.72	1.97	2.22	6.71	9.34	8.03						27.52	2.87
Radonich, Pete	0.75	0.75	4.00	0.80	1.40	2.40	5.58	9.52	7.55						25.20	2.45
Cales, Jonathon	0.67	0.49	4.89	0.55	1.79	1.83	6.54	9.60	8.07						26.36	2.67
Tschirhart, Garland	0.75	0.75	3.60	0.38	1.75	1.25	6.10	9.69	7.90						24.27	2.33
Kobrinetz, Jack	0.83	0.60	4.56	0.66	1.58	2.77	6.08	9.56	7.82						26.64	2.65
Pansza, Mike	0.62	0.68	4.39	0.58	1.86	1.60	7.09	9.21	8.15						26.03	2.60
Ramirez, Robert	0.72	0.75	5.68	0.87	2.17	2.70	6.08	9.46	7.77						28.43	3.08
Adams, Pat	0.62	0.65	4.57	0.54	1.35	1.16	5.72	9.44	7.58						24.05	2.37
Yanchar, Paul	0.60	0.45	4.50	0.46	1.41	1.85	6.00	9.40	7.70						24.67	2.42
Avis, Steve	0.75	0.60	4.21	0.76	1.30	2.95	6.08	9.52	7.80						26.17	2.52
Viera, Ralph	0.56	0.56	4.99	0.64	1.25	2.54	5.24	9.42	7.33						25.20	2.54
Rodriguez, Jesse	0.75	0.75	4.39	0.91	1.61	1.89	6.20	9.47	7.84						25.97	2.58
Sanchez, Art	0.75	0.79	4.34	0.43	1.35	1.61	5.96	9.30	7.63						24.53	2.38
Lowsky, John	0.75	0.75	5.00	1.01	1.84	2.76	7.03	9.38	8.21						28.52	2.91
MAXIMUM	0.83	0.79	5.68	1.01	2.40	2.95	7.09	9.69	8.21						28.52	3.08
MINIMUM	0.56	0.45	3.60	0.38	1.25	1.16	5.24	8.87	7.33						24.05	2.33
RANGE (MAX-MIN)	0.27	0.34	2.08	0.63	1.15	1.79	1.85	0.82	0.88						4.47	0.75
MEAN	0.70	0.64	4.58	0.68	1.65	2.04	6.12	9.43	7.77						25.83	2.59
STD	0.07	0.11	0.49	0.17	0.31	0.55	0.46	0.18	0.23						1.32	0.21



yi within 1 68%
 yi within 2 97%
 yi within 3 99%

PART ID = Sequence III Piston B4

YI VALUES

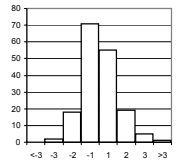
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Hills, Barry	0.67	-0.68	0.35	-0.58	0.18	-0.19	-0.13	0.86	0.20						0.07	0.12	0.08	0.47
Caproni, David	-0.83	1.01	0.47	0.36	2.45	-0.39	0.00	-0.16	-0.06						0.65	1.28	0.43	0.91
Foecking, Brian	-1.38	-1.65	-1.36	-0.34	-0.67	-0.03	-0.69	0.12	-0.65						-1.15	-1.16	-0.81	0.58
Castillo, George	0.67	-0.68	-0.14	0.83	-0.54	0.52	-0.15	-3.17	-1.37						-0.35	-0.24	-0.42	1.11
Lopez, Frank	0.12	0.39	0.08	0.83	-0.11	-1.57	-0.69	0.63	-0.45						-0.66	-0.35	-0.16	0.68
Garcia, Orlando	0.67	-1.03	1.46	0.24	1.05	0.32	1.29	-0.50	1.10						1.28	1.34	0.66	0.82
Radonich, Pete	0.67	1.01	-1.19	0.71	-0.80	0.64	-1.17	0.52	-0.98						-0.48	-0.69	-0.16	0.86
Cales, Jonathon	-0.42	-1.30	0.64	-0.75	0.47	-0.39	0.92	0.97	1.30						0.40	0.37	0.20	0.81
Tschirhart, Garland	0.67	1.01	-2.02	-1.75	0.34	-1.44	-0.04	1.48	0.53						-1.18	-1.26	-0.33	1.23
Kobrinetz, Jack	1.76	-0.32	-0.04	-0.11	-0.21	1.31	-0.08	0.74	0.20						0.61	0.26	0.37	0.67
Pansza, Mike	-1.11	0.39	-0.39	-0.58	0.70	-0.80	2.12	-1.24	1.64						0.15	0.02	0.08	1.08
Ramirez, Robert	0.26	1.01	2.26	1.12	1.70	1.19	-0.08	0.18	-0.01						1.97	2.32	1.08	0.90
Adams, Pat	-1.11	0.12	-0.02	-0.81	-0.96	-1.60	-0.87	0.06	-0.84						-1.35	-1.06	-0.77	0.58
Yanchar, Paul	-1.38	-1.65	-0.16	-1.28	-0.76	-0.35	-0.26	-0.16	-0.32						-0.88	-0.81	-0.73	0.53
Avis, Steve	0.67	-0.32	-0.76	0.48	-1.12	1.64	-0.08	0.52	0.12						0.26	-0.35	0.09	0.75
Viera, Ralph	-1.92	-0.68	0.84	-0.22	-1.28	0.90	-1.91	-0.05	-1.94						-0.48	-0.25	-0.64	1.03
Rodriguez, Jesse	0.67	1.01	-0.39	1.35	-0.11	-0.28	0.18	0.23	0.27						0.10	-0.04	0.27	0.54
Sanchez, Art	0.67	1.36	-0.49	-1.45	-0.96	-0.79	-0.34	-0.73	-0.63						-0.99	-1.02	-0.49	0.81
Lowsky, John	0.67	1.01	0.86	1.94	0.63	1.30	1.99	-0.28	1.88						2.03	1.54	1.23	0.73
Yi MAXIMUM	-1.92	-1.65	2.26	1.94	2.45	1.64	2.12	-3.17	-1.94						2.03	2.32	1.23	1.23
Yi MINIMUM	0.12	0.12	-0.02	-0.11	-0.11	-0.03	0.00	-0.05	-0.01						0.07	0.02	0.08	0.47
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						1.00	1.00		
Ratings MEAN	0.70	0.64	4.58	0.68	1.65	2.04	6.12	9.43	7.77						25.83	2.59		
Ratings STD	0.07	0.11	0.49	0.17	0.31	0.55	0.46	0.18	0.23						1.32	0.21		

Light Duty Rating Workshop

PART ID = Sequence III Piston B5

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Hills, Barry	0.74	0.69	6.17	0.98	1.54	2.79	6.66	9.61	8.14						29.18	3.04
Caproni, David	0.75	0.75	6.05	1.03	2.54	4.20	5.92	9.02	7.47						30.26	3.41
Foecking, Brian	0.83	0.54	6.58	0.81	1.52	3.36	6.40	9.30	7.85						29.34	3.11
Castillo, George	0.75	0.58	5.82	0.92	1.91	3.15	5.94	8.99	7.47						28.06	3.03
Lopez, Frank	0.75	0.60	5.94	0.83	1.55	1.66	6.09	9.36	7.73						26.78	2.81
Garcia, Orlando	0.89	0.68	6.33	1.42	1.82	3.05	6.90	8.91	7.91						30.00	3.23
Radonich, Pete	0.76	0.72	6.20	1.00	1.66	2.90	6.23	9.25	7.74						28.72	3.06
Cales, Jonathon	0.76	0.75	5.84	0.52	1.79	3.09	6.52	9.52	8.02						28.79	3.01
Tschirhart, Garland	0.75	0.60	6.73	0.68	1.50	2.35	6.90	9.38	8.14						28.89	3.04
Kobrinetz, Jack	0.82	0.73	6.88	0.81	1.53	3.42	6.18	9.46	7.82						29.83	3.19
Pansza, Mike	0.85	0.55	6.58	1.08	2.18	1.90	7.08	9.06	8.07						29.28	3.23
Ramirez, Robert	0.75	0.72	5.99	1.49	2.21	3.10	6.98	9.09	8.04						30.33	3.31
Adams, Pat	0.75	0.62	6.20	0.87	1.56	2.20	6.52	9.24	7.88						27.96	2.95
Yanchar, Paul	0.83	0.56	6.04	0.78	1.66	2.09	6.50	9.10	7.80						27.56	2.91
Avis, Steve	0.75	0.68	5.71	0.60	1.65	3.81	7.45	9.33	8.39						29.98	3.05
Rodriguez, Jesse	1.02	1.12	6.07	0.90	1.51	2.78	6.87	9.16	8.02						29.43	3.04
Viera, Ralph	0.75	0.56	6.38	1.04	1.51	3.02	6.81	9.25	8.03						29.32	3.08
Lowsky, John	0.93	0.84	6.21	1.00	2.16	3.75	6.78	9.30	8.04						30.97	3.35
Sanchez, Art	0.75	0.75	6.17	0.68	1.64	3.65	5.47	9.05	7.26						28.16	3.03
MAXIMUM	1.02	1.12	6.88	1.49	2.54	4.20	7.45	9.61	8.39						30.97	3.41
MINIMUM	0.74	0.54	5.71	0.52	1.50	1.66	5.47	8.91	7.26						26.78	2.81
RANGE (MAX-MIN)	0.28	0.58	1.17	0.97	1.04	2.54	1.98	0.70	1.13						4.19	0.59
MEAN	0.80	0.69	6.20	0.92	1.76	2.96	6.54	9.23	7.88						29.10	3.10
STD	0.08	0.14	0.31	0.24	0.30	0.68	0.48	0.19	0.27						1.05	0.15



PART ID = Sequence III Piston B5

Yi VALUES

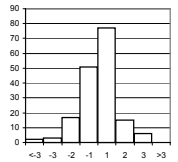
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Hills, Barry	-0.76	0.03	-0.11	0.25	-0.73	-0.25	0.26	2.00	0.93						0.08	-0.38	0.12	0.79
Caproni, David	-0.63	0.47	-0.49	0.46	2.57	1.81	-1.28	-1.11	-1.53						1.10	2.02	0.31	1.43
Foecking, Brian	0.40	-1.08	1.20	-0.44	-0.79	0.58	-0.28	0.37	-0.12						0.23	0.07	0.01	0.65
Castillo, George	-0.63	-0.78	-1.23	0.01	0.49	0.28	-1.24	-1.27	-1.55						-0.98	-0.45	-0.67	0.68
Lopez, Frank	-0.63	-0.64	-0.84	-0.36	-0.69	-1.91	-0.93	0.68	-0.59						-2.20	-1.88	-0.91	0.82
Garcia, Orlando	1.18	-0.05	0.40	2.05	0.20	0.13	0.75	-1.69	0.08						0.86	0.88	0.44	0.93
Radonich, Pete	-0.50	0.25	-0.02	0.34	-0.33	-0.09	-0.64	0.10	-0.53						-0.36	-0.25	-0.18	0.33
Cales, Jonathon	-0.50	0.47	-1.16	-1.63	0.10	0.19	-0.04	1.53	0.50						-0.29	-0.61	-0.13	0.86
Tschirhart, Garland	-0.63	-0.64	1.67	-0.97	-0.86	-0.90	0.75	0.79	0.95						-0.20	-0.36	-0.04	0.91
Kobrinetz, Jack	0.27	0.32	2.15	-0.44	-0.76	0.67	-0.74	1.21	-0.24						0.70	0.62	0.34	0.88
Pansza, Mike	0.66	-1.01	1.20	0.66	1.38	-1.55	1.13	-0.90	0.69						0.17	0.83	0.30	1.00
Ramirez, Robert	-0.63	0.25	-0.68	2.34	1.48	0.20	0.92	-0.74	0.56						1.17	1.37	0.57	1.00
Adams, Pat	-0.63	-0.49	-0.02	-0.20	-0.66	-1.11	-0.04	0.05	-0.01						-1.08	-1.01	-0.47	0.46
Yanchar, Paul	0.40	-0.93	-0.52	-0.56	-0.33	-1.28	-0.08	-0.69	-0.31						-1.46	-1.25	-0.64	0.56
Avis, Steve	-0.63	-0.05	-1.58	-1.30	-0.36	1.24	1.90	0.52	1.87						0.84	-0.31	0.19	1.18
Rodriguez, Jesse	2.86	3.20	-0.43	-0.07	-0.82	-0.27	0.69	-0.37	0.49						0.32	-0.36	0.48	1.34
Viera, Ralph	-0.63	-0.93	0.56	0.50	-0.82	0.09	0.57	0.10	0.54						0.21	-0.11	0.01	0.57
Lowsky, John	1.70	1.13	0.02	0.34	1.32	1.15	0.51	0.37	0.58						1.78	1.64	0.96	0.62
Sanchez, Art	-0.63	0.47	-0.11	-0.97	-0.40	1.01	-2.22	-0.95	-2.30						-0.89	-0.45	-0.68	0.99
Yi MAXIMUM	2.86	3.20	2.15	2.34	2.57	-1.91	-2.22	2.00	-2.30						-2.20	2.02	0.96	1.43
Yi MINIMUM	0.27	0.03	-0.02	0.01	0.10	0.09	-0.04	0.05	-0.01						0.08	0.07	0.01	0.33
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						1.00	1.00		
Ratings MEAN	0.80	0.69	6.20	0.92	1.76	2.96	6.54	9.23	7.88						29.10	3.10		
Ratings STD	0.08	0.14	0.31	0.24	0.30	0.68	0.48	0.19	0.27						1.05	0.15		

Light Duty Rating Workshop

PART ID = Sequence III Piston B6

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Hills, Barry	0.75	0.75	7.11	0.52	0.75	2.90	7.78	9.72	8.75							30.28	3.00
Caproni, David	0.75	0.75	6.87	0.71	1.00	4.02	7.35	9.56	8.46							31.01	3.14
Foecking, Brian	0.75	0.75	7.50	0.70	0.75	3.10	7.24	9.61	8.43							30.40	3.10
Castillo, George	0.75	0.75	6.52	0.75	0.75	2.63	7.50	9.42	8.46							29.07	2.86
Lopez, Frank	0.75	0.75	7.34	0.75	0.75	1.95	6.92	9.33	8.13							28.54	2.93
Garcia, Orlando	0.75	0.75	7.40	0.70	0.75	3.63	7.64	9.41	8.53							31.03	3.14
Radonich, Pete	0.75	0.75	7.05	0.71	0.75	3.20	7.45	9.77	8.61							30.43	3.04
Cales, Jonathon	0.75	0.75	6.61	0.69	0.85	2.72	7.90	9.66	8.78							29.93	2.94
Tschirhart, Garland	0.71	0.75	7.00	0.60	0.88	2.70	7.00	9.66	8.33							29.30	2.97
Kobrinetz, Jack	0.76	0.75	7.41	0.70	0.75	3.54	7.32	9.56	8.44							30.79	3.12
Pansza, Mike	0.75	0.75	7.03	0.68	0.98	1.68	7.50	9.49	8.50							28.86	2.93
Adams, Pat	0.75	0.75	6.68	0.66	0.75	3.45	6.61	9.62	8.12							29.27	2.93
Ramirez, Robert	0.75	0.75	7.35	0.70	0.75	3.01	8.10	9.64	8.87							31.05	3.10
Yanchar, Paul	0.75	0.71	7.54	0.68	0.75	2.74	7.15	9.30	8.23							29.62	3.04
Avis, Steve	0.75	0.75	6.18	0.69	0.75	2.69	7.39	9.58	8.49							28.78	2.79
Rodriguez, Jesse	0.75	0.75	6.99	0.86	0.75	2.72	7.55	9.53	8.54							29.90	2.99
Viera, Ralph	0.75	0.75	7.25	0.70	0.75	4.14	7.59	9.63	8.61							31.56	3.17
Lowsky, John	0.75	0.75	7.10	0.84	0.75	4.70	8.40	9.73	9.07							33.02	3.26
Sanchez, Art	0.75	0.75	7.45	0.60	0.75	2.85	6.68	9.57	8.13							29.40	3.02
MAXIMUM	0.76	0.75	7.54	0.86	1.00	4.70	8.40	9.77	9.07							33.02	3.26
MINIMUM	0.71	0.71	6.18	0.52	0.75	1.68	6.61	9.30	8.12							28.54	2.79
RANGE (MAX-MIN)	0.05	0.04	1.36	0.34	0.25	3.02	1.79	0.47	0.95							4.48	0.47
MEAN	0.75	0.75	7.07	0.70	0.79	3.07	7.42	9.57	8.50							30.12	3.02
STD	0.01	0.01	0.37	0.08	0.08	0.73	0.45	0.13	0.25							1.13	0.12



yi within 1 75%
 yi within 2 94%
 yi within 3 99%

PART ID = Sequence III Piston B6

Yi VALUES

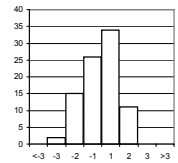
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Hills, Barry	0.16	0.23	0.10	-2.31	-0.47	-0.24	0.79	1.17	0.99							0.14	-0.19	0.04	0.93
Caproni, David	0.16	0.23	-0.55	0.17	2.65	1.30	-0.17	-0.06	-0.16							0.79	1.00	0.49	0.91
Foecking, Brian	0.16	0.23	1.15	0.04	-0.47	0.04	-0.41	0.32	-0.28							0.25	0.61	0.15	0.47
Castillo, George	0.16	0.23	-1.49	0.70	-0.47	-0.61	0.17	-1.14	-0.14							-0.93	-1.39	-0.45	0.73
Lopez, Frank	0.16	0.23	0.72	0.70	-0.47	-1.54	-1.12	-1.83	-1.46							-1.40	-0.85	-0.62	0.94
Garcia, Orlando	0.16	0.23	0.88	0.04	-0.47	0.77	0.48	-1.22	0.11							0.81	0.98	0.25	0.66
Radonich, Pete	0.16	0.23	-0.06	0.17	-0.47	0.18	0.06	1.56	0.45							0.28	0.09	0.24	0.49
Cales, Jonathon	0.16	0.23	-1.25	-0.09	0.78	-0.48	1.06	0.71	1.11							-0.17	-0.70	0.12	0.76
Tschirhart, Garland	-4.01	0.23	-0.20	-1.27	1.16	-0.51	-0.94	0.71	-0.65							-0.73	-0.49	-0.61	1.34
Kobrinetz, Jack	1.21	0.23	0.91	0.04	-0.47	0.64	-0.23	-0.06	-0.22							0.60	0.85	0.32	0.55
Pansza, Mike	0.16	0.23	-0.12	-0.22	2.40	-1.92	0.17	-0.60	-0.01							-1.12	-0.80	-0.16	1.08
Adams, Pat	0.16	0.23	-1.06	-0.48	-0.47	0.52	-1.81	0.40	-1.50							-0.75	-0.82	-0.51	0.78
Ramirez, Robert	0.16	0.23	0.75	0.04	-0.47	-0.09	1.50	0.56	1.47							0.83	0.66	0.51	0.62
Yanchar, Paul	0.16	-4.13	1.26	-0.22	-0.47	-0.46	-0.61	-2.06	-1.06							-0.44	0.14	-0.72	1.39
Avis, Steve	0.16	0.23	-2.41	-0.09	-0.47	-0.53	-0.08	0.09	-0.04							-1.19	-1.99	-0.57	0.90
Rodriguez, Jesse	0.16	0.23	-0.22	2.13	-0.47	-0.48	0.28	-0.29	0.17							-0.19	-0.29	0.09	0.73
Viera, Ralph	0.16	0.23	0.48	0.04	-0.47	1.47	0.37	0.48	0.45							1.28	1.24	0.52	0.59
Lowsky, John	0.16	0.23	0.07	1.87	-0.47	2.24	2.17	1.25	2.23							2.58	2.04	1.31	1.10
Sanchez, Art	0.16	0.23	1.02	-1.27	-0.47	-0.31	-1.66	0.02	-1.46							-0.64	-0.08	-0.40	0.81
Yi MAXIMUM	-4.01	-4.13	-2.41	-2.31	2.65	2.24	2.17	-2.06	2.23							2.58	2.04	1.31	1.39
Yi MINIMUM	0.16	0.23	-0.06	0.04	-0.47	0.04	0.06	0.02	-0.01							0.14	-0.08	0.04	0.47
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00		
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							1.00	1.00		
Ratings MEAN	0.75	0.75	7.07	0.70	0.79	3.07	7.42	9.57	8.50							30.12	3.02		
Ratings STD	0.01	0.01	0.37	0.08	0.08	0.73	0.45	0.13	0.25							1.13	0.12		

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Pistons C1-C4

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4											
Radonich, Pete	8.10	8.40	7.90	8.45											
Tschirhart, Garland	8.06	8.30	7.90	8.20											
Guarda, Waldyr	7.89	7.54	7.68	7.81											
Castillo, George	7.08	7.32	6.96	7.53											
Kobrinetz, Jack	8.20	8.38	8.14	8.33											
Lopez, Frank	7.36	7.47	7.26	7.95											
Foecking, Brian	8.10	8.40	8.10	8.70											
Caproni, David	8.32	8.47	8.00	8.60											
Garcia, Orlando	7.42	8.01	7.53	7.98											
Cales, Jonathon	8.40	8.39	8.19	8.45											
Pansza, Mike	8.24	8.32	8.46	8.28											
Greenland, Paul	7.58	7.88	7.36	7.36											
Hill, John	7.85	7.98	7.83	8.14											
Adams, Pat	7.75	7.28	7.14	7.36											
Ramirez, Robert	7.52	7.60	7.27	7.83											
Seiz, Ray	8.35	8.28	7.58	8.47											
Yanchar, Paul	8.26	8.57	8.15	8.65											
Viera, Ralph	8.76	8.40	7.81	7.57											
Sanchez, Art	8.35	8.49	8.69	8.80											
Lowsky, John	6.90	7.30	6.55	7.03											
Rodriguez, Jesse	7.72	7.94	7.63	7.55											
Pawczuk, Greg	8.15	7.82	7.14	7.37											
MAXIMUM	8.76	8.57	8.69	8.80											
MINIMUM	6.90	7.28	6.55	7.03											
RANGE (MAX-MIN)	1.86	1.29	2.14	1.77											
MEAN	7.93	8.02	7.69	8.02											
STD	0.47	0.44	0.52	0.52											



yi within 1 68.2%
 yi within 2 97.7%
 yi within 3 100.0%

PART ID = Sequence V Calibration - Pistons C1-C4

YI VALUES

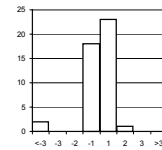
	Piston 1	Piston 2	Piston 3	Piston 4												MEAN	STD
Radonich, Pete	0.37	0.86	0.40	0.83												0.62	0.27
Tschirhart, Garland	0.29	0.63	0.40	0.35												0.42	0.15
Guarda, Waldyr	-0.08	-1.11	-0.03	-0.40												-0.40	0.50
Castillo, George	-1.81	-1.62	-1.42	-0.95												-1.45	0.37
Kobrinetz, Jack	0.59	0.82	0.86	0.60												0.72	0.14
Lopez, Frank	-1.21	-1.27	-0.84	-0.13												-0.86	0.52
Foecking, Brian	0.37	0.86	0.79	1.32												0.84	0.39
Caproni, David	0.85	1.02	0.59	1.12												0.90	0.23
Garcia, Orlando	-1.08	-0.03	-0.32	-0.07												-0.38	0.49
Cales, Jonathon	1.02	0.84	0.96	0.83												0.91	0.09
Pansza, Mike	0.68	0.68	1.48	0.51												0.84	0.44
Greenland, Paul	-0.74	-0.33	-0.65	-1.27												-0.75	0.39
Hill, John	-0.16	-0.10	0.26	0.23												0.06	0.22
Adams, Pat	-0.38	-1.71	-1.07	-1.27												-1.11	0.55
Ramirez, Robert	-0.87	-0.97	-0.82	-0.36												-0.76	0.27
Seiz, Ray	0.91	0.59	-0.22	0.87												0.54	0.53
Yanchar, Paul	0.72	1.25	0.88	1.22												1.02	0.26
Viera, Ralph	1.79	0.86	0.22	-0.87												0.50	1.12
Sanchez, Art	0.91	1.07	1.93	1.51												1.36	0.46
Lowsky, John	-2.20	-1.66	-2.22	-1.91												-2.00	0.26
Rodriguez, Jesse	-0.44	-0.19	-0.12	-0.91												-0.42	0.35
Pawczuk, Greg	0.48	-0.47	-1.07	-1.25												-0.58	0.78
Yi MAXIMUM	-2.20	-1.71	-2.22	-1.91												-2.00	1.12
Yi MINIMUM	-0.08	-0.03	-0.03	-0.07												0.06	0.09
Yi MEAN	0.00	0.00	0.00	0.00													
Yi STD	1.00	1.00	1.00	1.00													
Ratings MEAN	7.93	8.02	7.69	8.02													
Ratings STD	0.47	0.44	0.52	0.52													

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Sludge

RATED VALUES

	Rocker Cover Baffle L	Rocker Cover Baffle R														
Radonich, Pete	9.05	9.20														
Tschirhart, Garland	9.20	9.35														
Guarda, Waldyr	9.29	9.27														
Castillo, George	9.29	9.32														
Kobrinetz, Jack	9.13	9.17														
Lopez, Frank	9.34	9.57														
Foecking, Brian	9.01	9.11														
Caproni, David	8.98	9.08														
Garcia, Orlando	9.26	9.31														
Cales, Jonathon	9.26	9.42														
Pansza, Mike	9.12	9.24														
Greenland, Paul	9.09	9.19														
Hill, John	8.19	8.05														
Adams, Pat	9.06	9.19														
Ramirez, Robert	9.01	9.19														
Seiz, Ray	9.34	9.32														
Yanchar, Paul	9.12	9.29														
Viera, Ralph	9.30	9.41														
Sanchez, Art	9.12	9.28														
Lowsky, John	9.05	9.09														
Rodriguez, Jesse	9.27	9.33														
Pawczuk, Greg	9.20	9.34														
MAXIMUM	9.34	9.57														
MINIMUM	8.19	8.05														
RANGE (MAX-MIN)	1.15	1.52														
MEAN	9.12	9.21														
STD	0.24	0.28														



PART ID = Sequence V Calibration - Sludge

Yi VALUES

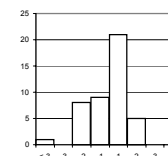
	Rocker Cover Baffle L	Rocker Cover Baffle R															MEAN	STD
Radonich, Pete	-0.30	-0.05															-0.18	0.18
Tschirhart, Garland	0.33	0.48															0.40	0.10
Guarda, Waldyr	0.71	0.19															0.45	0.36
Castillo, George	0.71	0.37															0.54	0.24
Kobrinetz, Jack	0.03	-0.16															-0.06	0.13
Lopez, Frank	0.92	1.25															1.08	0.23
Foecking, Brian	-0.47	-0.37															-0.42	0.07
Caproni, David	-0.60	-0.47															-0.53	0.09
Garcia, Orlando	0.58	0.34															0.46	0.17
Cales, Jonathon	0.58	0.72															0.65	0.10
Pansza, Mike	-0.01	0.09															0.04	0.07
Greenland, Paul	-0.13	-0.09															-0.11	0.03
Hill, John	-3.92	-4.09															-4.01	0.12
Adams, Pat	-0.26	-0.09															-0.17	0.12
Ramirez, Robert	-0.47	-0.09															-0.28	0.27
Seiz, Ray	0.92	0.37															0.64	0.39
Yanchar, Paul	-0.01	0.26															0.13	0.19
Viera, Ralph	0.75	0.69															0.72	0.05
Sanchez, Art	-0.01	0.23															0.11	0.17
Lowsky, John	-0.30	-0.44															-0.37	0.10
Rodriguez, Jesse	0.62	0.41															0.51	0.15
Pawczuk, Greg	0.33	0.44															0.38	0.08
Yi MAXIMUM	-3.92	-4.09															-4.01	0.39
Yi MINIMUM	-0.01	-0.05															0.04	0.03
Yi MEAN	0.00	0.00																
Yi STD	1.00	1.00																
Ratings MEAN	9.12	9.21																
Ratings STD	0.24	0.28																

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Varnish

RATED VALUES

	Rocker Cover L	Rocker Cover R													
Radonich, Pete	8.85	9.70													
Tschirhart, Garland	9.25	9.70													
Guarda, Waldyr	8.02	8.57													
Castillo, George	8.23	9.64													
Kobrinetz, Jack	8.70	9.55													
Lopez, Frank	8.68	9.70													
Foecking, Brian	8.92	9.80													
Caproni, David	8.35	9.30													
Garcia, Orlando	9.07	9.75													
Cales, Jonathon	8.34	9.68													
Pansza, Mike	9.17	9.54													
Greenland, Paul	8.53	9.56													
Hill, John	8.73	9.70													
Adams, Pat	9.08	9.80													
Ramirez, Robert	8.30	9.52													
Seiz, Ray	8.60	9.20													
Yanchar, Pau	8.77	9.74													
Viera, Ralph	8.80	9.74													
Sanchez, Ari	9.00	9.80													
Lowsky, John	8.17	8.98													
Rodriguez, Jesse	8.81	9.80													
Pawczuk, Greg	9.10	9.70													
MAXIMUM	9.25	9.80													
MINIMUM	8.02	8.57													
RANGE (MAX-MIN)	1.23	1.23													
MEAN	8.70	9.57													
STD	0.35	0.31													



yi within 1 68.2%
 yi within 2 97.7%
 yi within 3 97.7%

PART ID = Sequence V Calibration - Varnish

Yi VALUES

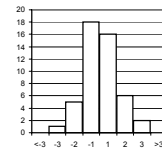
	Rocker Cover L	Rocker Cover R														MEAN	STD
Radonich, Pete	0.42	0.44														0.43	0.01
Tschirhart, Garland	1.56	0.44														1.00	0.80
Guarda, Waldyr	-1.95	-3.26														-2.61	0.92
Castillo, George	-1.35	0.24														-0.56	1.13
Kobrinetz, Jack	-0.01	-0.05														-0.03	0.03
Lopez, Frank	-0.07	0.44														0.18	0.35
Foecking, Brian	0.62	0.76														0.69	0.10
Caproni, David	-1.01	-0.87														-0.94	0.10
Garcia, Orlando	1.05	0.60														0.82	0.32
Cales, Jonathon	-1.04	0.37														-0.33	1.00
Pansza, Mike	1.33	-0.09														0.62	1.01
Greenland, Paul	-0.50	-0.02														-0.26	0.33
Hill, John	0.08	0.44														0.26	0.25
Adams, Pat	1.08	0.76														0.92	0.22
Ramirez, Robert	-1.15	-0.15														-0.65	0.71
Seiz, Ray	-0.30	-1.20														-0.75	0.64
Yanchar, Pau	0.19	0.57														0.38	0.27
Viera, Ralph	0.28	0.57														0.42	0.20
Sanchez, Ari	0.85	0.76														0.81	0.06
Lowsky, John	-1.52	-1.92														-1.72	0.28
Rodriguez, Jesse	0.31	0.76														0.53	0.32
Pawczuk, Greg	1.13	0.44														0.78	0.49
Yi MAXIMUM	-1.95	-3.26														-2.61	1.13
Yi MINIMUM	-0.01	-0.02														-0.03	0.01
Yi MEAN	0.00	0.00															
Yi STD	1.00	1.00															
Ratings MEAN	8.70	9.57															
Ratings STD	0.35	0.31															

Light Duty Rating Workshop

PART ID = Sequence V - Clogging

RATED VALUES

	Oil Screen %Sludge	Oil Screen %Debris	Oil Ring %													
Pansza, Mike	27.00	38.00	1.00													
Garcia, Orlando	16.00	28.00	0.25													
Castillo, George	18.00	25.00														
Radonich, Pete	22.00	32.00														
Tschirhart, Garland	23.00	33.00														
Kobrinetz, Jack	5.00	22.00														
Lopez, Frank	8.00	29.00														
Caproni, David	40.00	25.00														
Foecking, Brian	34.00	38.00														
Hills, Barry	25.00	50.00														
Cales, Jonathon	48.00	36.00														
Lowsky, John	37.00	25.00														
Sanchez, Art	20.00	30.00														
Hill, John	12.00	12.00														
Ramirez, Robert	27.00	24.00														
Greenland, Paul	30.00	35.00														
Pawczuk, Greg	28.00	30.00														
Seiz, Ray	43.00	22.00														
Yanchar, Paul	38.00	35.00														
Adams, Pat	18.00	22.00														
Viera, Ralph	22.00	33.00														
Avis, Steve	20.00	25.00														
Rodriguez, Jesse	6.00	4.00														
MAXIMUM	48.00	50.00	1.00													
MINIMUM	5.00	4.00	0.25													
RANGE (MAX-MIN)	43.00	46.00	0.75													
MEAN	24.65	28.39	0.63													
STD	11.64	9.32	0.53													



PART ID = Sequence V - Clogging

YI VALUES

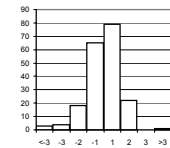
	Oil Screen %Sludge	Oil Screen %Debris	Oil Ring %														MEAN	STD
Pansza, Mike	0.20	1.03	0.71														0.65	0.42
Garcia, Orlando	-0.74	-0.04	-0.71														-0.50	0.39
Castillo, George	-0.57	-0.36															-0.47	0.15
Radonich, Pete	-0.23	0.39															0.08	0.44
Tschirhart, Garland	-0.14	0.49															0.18	0.45
Kobrinetz, Jack	-1.69	-0.69															-1.19	0.71
Lopez, Frank	-1.43	0.07															-0.68	1.06
Caproni, David	1.32	-0.36															0.48	1.19
Foecking, Brian	0.80	1.03															0.92	0.16
Hills, Barry	0.03	2.32															1.17	1.62
Cales, Jonathon	2.01	0.82															1.41	0.84
Lowsky, John	1.06	-0.36															0.35	1.01
Sanchez, Art	-0.40	0.17															-0.11	0.40
Hill, John	-1.09	-1.76															-1.42	0.48
Ramirez, Robert	0.20	-0.47															-0.13	0.48
Greenland, Paul	0.46	0.71															0.58	0.18
Pawczuk, Greg	0.29	0.17															0.23	0.08
Seiz, Ray	1.58	-0.69															0.45	1.60
Yanchar, Paul	1.15	0.71															0.93	0.31
Adams, Pat	-0.57	-0.69															-0.63	0.08
Viera, Ralph	-0.23	0.49															0.13	0.51
Avis, Steve	-0.40	-0.36															-0.38	0.03
Rodriguez, Jesse	-1.60	-2.62															-2.11	0.72
Yi MAXIMUM	2.01	-2.62	0.71														-2.11	1.62
Yi MINIMUM	0.03	-0.04	-0.71														0.08	0.03
Yi MEAN	0.00	0.00	0.00															
Yi STD	1.00	1.00	1.00															
Ratings MEAN	24.65	28.39	0.63															
Ratings STD	11.64	9.32	0.53															

Light Duty Rating Workshop

PART ID = Sequence V - Pistons D1-D8

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8								
Garcia, Orlando	7.95	8.02	7.66	7.72	8.68	8.48	8.31	8.13								
Pansza, Mike	8.34	8.26	8.06	8.36	8.71	8.76	8.74	8.78								
Castillo, George	7.05	7.06	6.64	7.04	8.34	8.08	7.78	8.05								
Radonich, Pete	8.18	8.14	7.79	7.97	8.77	8.68	8.66	8.65								
Tschirhart, Garland	7.71	7.61	7.41	7.41	9.11	9.01	9.01	8.91								
Kobrinetz, Jack	7.92	8.08	7.76	7.92	8.68	8.76	8.60	8.60								
Lopez, Frank	7.58	7.17	6.83	7.22	8.08	8.36	7.84	7.92								
Caproni, David	8.10	8.00	7.81	8.14	8.90	8.88	8.84	8.86								
Foecking, Brian	8.00	7.80	7.40	7.60	8.80	8.70	8.50	8.30								
Hills, Barry	7.99	7.93	7.83	7.98	9.04	8.70	8.83	8.84								
Cales, Jonathon	8.74	8.20	8.18	8.32	8.90	9.02	8.84	8.72								
Lowsky, John	7.40	7.70	7.55	7.90	8.28	8.15	8.10	8.25								
Hill, John	8.05	7.73	7.46	7.78	8.30	8.40	8.53	8.53								
Sanchez, Art	8.49	8.04	8.13	8.42	8.42	8.75	8.51	8.58								
Ramirez, Robert	7.91	7.84	7.47	7.72	8.43	8.54	8.43	8.60								
Greenland, Paul	7.87	7.57	7.42	7.80	8.40	8.43	8.56	8.35								
Pawczuk, Greg	7.05	6.64	7.05	7.23	7.15	7.35	7.53	7.09								
Seiz, Ray	9.54	8.34	8.17	8.19	8.51	8.67	8.92	8.63								
Adams, Pat	7.85	8.00	8.10	7.75	8.87	8.78	8.82	8.83								
Yanchar, Paul	8.25	8.15	7.55	8.00	8.80	8.90	8.80	8.90								
Sessions, Gwen	8.00	7.75	7.50	7.80	8.50	8.50	8.50	8.50								
Anderson, Richard	8.00	7.75	7.50	7.80	8.50	8.50	8.50	8.50								
Rodriguez, Jesse	8.09	7.90	7.83	7.68	8.74	8.96	8.92	8.75								
Viera, Ralph	7.63	7.86	7.29	7.70	8.32	8.44	8.38	8.21								
MAXIMUM	9.54	8.34	8.18	8.42	9.11	9.02	9.01	8.91								
MINIMUM	7.05	6.64	6.64	7.04	7.15	7.35	7.53	7.09								
RANGE (MAX-MIN)	2.49	1.70	1.54	1.38	1.96	1.67	1.49	1.82								
MEAN	7.99	7.81	7.60	7.81	8.55	8.58	8.52	8.48								
STD	0.51	0.40	0.40	0.35	0.40	0.36	0.38	0.41								



yi within 1 75%
 yi within 2 96%
 yi within 3 98%

PART ID = Sequence V - Pistons D1-D8

YI VALUES

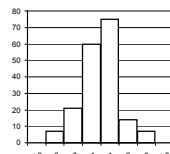
	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8									MEAN	STD
Garcia, Orlando	-0.07	0.52	0.15	-0.26	0.32	-0.26	-0.55	-0.86									-0.13	0.45
Pansza, Mike	0.69	1.13	1.15	1.57	0.40	0.51	0.58	0.74									0.85	0.40
Castillo, George	-1.83	-1.91	-2.39	-2.20	-0.53	-1.37	-1.93	-1.05									-1.65	0.62
Radonich, Pete	0.38	0.82	0.47	0.45	0.55	0.29	0.37	0.42									0.47	0.16
Tschirhart, Garland	-0.54	-0.52	-0.47	-1.14	1.40	1.21	1.29	1.06									0.29	1.04
Kobrinetz, Jack	-0.13	0.67	0.40	0.31	0.32	0.51	0.21	0.30									0.33	0.23
Lopez, Frank	-0.80	-1.63	-1.92	-1.68	-1.18	-0.60	-1.78	-1.37									-1.37	0.48
Caproni, David	0.22	0.47	0.52	0.94	0.88	0.85	0.84	0.94									0.71	0.27
Foecking, Brian	0.03	-0.04	-0.50	-0.60	0.62	0.35	-0.05	-0.44									-0.08	0.43
Hills, Barry	0.01	0.29	0.57	0.48	1.23	0.35	0.82	0.89									0.58	0.39
Cales, Jonathon	1.47	0.98	1.45	1.45	0.88	1.23	0.84	0.59									1.11	0.34
Lowsky, John	-1.15	-0.29	-0.12	0.26	-0.68	-1.18	-1.10	-0.56									-0.60	0.53
Hill, John	0.12	-0.21	-0.35	-0.09	-0.63	-0.49	0.03	0.13									-0.19	0.28
Sanchez, Art	0.98	0.57	1.32	1.74	-0.33	0.49	-0.02	0.25									0.62	0.69
Ramirez, Robert	-0.15	0.07	-0.32	-0.26	-0.30	-0.10	-0.23	0.30									-0.13	0.21
Greenland, Paul	-0.23	-0.62	-0.45	-0.03	-0.38	-0.40	0.11	-0.32									-0.29	0.23
Pawczuk, Greg	-1.83	-2.97	-1.37	-1.65	-3.52	-3.40	-2.60	-3.42									-2.60	0.87
Seiz, Ray	3.04	1.33	1.42	1.08	-0.10	0.26	1.05	0.37									1.06	0.97
Adams, Pat	-0.27	0.47	1.25	-0.17	0.80	0.57	0.79	0.87									0.54	0.52
Yanchar, Paul	0.51	0.85	-0.12	0.54	0.62	0.90	0.74	1.04									0.64	0.36
Sessions, Gwen	0.03	-0.16	-0.25	-0.03	-0.13	-0.21	-0.05	0.05									-0.09	0.11
Anderson, Richard	0.03	-0.16	-0.25	-0.03	-0.13	-0.21	-0.05	0.05									-0.09	0.11
Rodriguez, Jesse	0.20	0.22	0.57	-0.37	0.47	1.07	1.05	0.67									0.49	0.48
Viera, Ralph	-0.70	0.12	-0.77	-0.31	-0.58	-0.37	-0.36	-0.66									-0.46	0.29
Yi MAXIMUM	3.04	-2.97	-2.39	-2.20	-3.52	-3.40	-2.60	-3.42									-2.60	1.04
Yi MINIMUM	0.01	-0.04	-0.12	-0.03	-0.10	-0.10	-0.02	0.05									-0.08	0.11
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.99	7.81	7.60	7.81	8.55	8.58	8.52	8.48										
Ratings STD	0.51	0.40	0.40	0.35	0.40	0.36	0.38	0.41										

Light Duty Rating Workshop

PART ID = Sequence V - Pistons E1-E8

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8									
Pansza, Mike	8.20	8.22	8.31	8.14	8.02	7.86	7.62	7.20									
Castillo, George	7.94	7.42	7.74	7.04	7.23	6.62	6.14	6.14									
Radonich, Pete	8.36	8.38	8.42	8.13	8.19	7.62	7.32	7.24									
Tschirhart, Garland	8.31	8.31	8.31	7.91	7.51	7.21	7.01	7.01									
Kobrinetz, Jack	8.28	8.33	8.38	8.10	8.36	7.90	7.70	7.47									
Lopez, Frank	8.16	8.18	8.20	8.02	7.79	7.69	6.70	6.50									
Caproni, David	8.45	8.20	8.40	8.15	8.03	8.00	7.64	7.66									
Foecking, Brian	8.40	8.20	8.50	7.90	7.90	7.30	6.90	6.70									
Hills, Barry	9.00	8.95	9.00	8.85	8.56	8.49	8.49	8.46									
Garcia, Orlando	7.61	7.54	7.48	7.46	7.39	7.12	6.78	6.34									
Cales, Jonathon	8.58	8.18	8.52	7.98	8.34	8.22	7.40	7.30									
Hill, John	8.55	8.54	8.43	8.19	8.10	7.56	6.82	6.64									
Sanchez, Art	8.21	8.30	8.65	7.84	8.30	7.62	7.34	7.27									
Ramirez, Robert	8.42	8.38	8.46	8.26	8.15	7.79	7.50	7.68									
Lowsky, John	8.05	8.05	8.15	7.85	7.85	7.65	7.35	7.20									
Greenland, Paul	8.00	7.80	7.90	7.70	7.81	7.80	7.50	7.40									
Adams, Pat	8.49	8.59	8.66	8.37	8.10	7.70	7.59	6.90									
Seiz, Ray	8.95	9.04	8.72	8.34	8.85	8.45	7.90	7.94									
Yanchar, Pau	8.50	8.30	8.60	8.10	7.95	7.36	6.97	6.96									
Sessions, Gwen	8.00	7.76	8.25	8.00	8.00	7.75	7.25	7.00									
Anderson, Richard	8.00	7.75	8.25	8.00	8.00	7.50	7.25	7.00									
Viera, Ralph	8.44	8.34	8.34	7.61	7.95	8.04	6.54	6.86									
Rodriguez, Jesse	8.75	8.44	8.09	8.08	8.44	7.89	6.87	7.27									
MAXIMUM	9.00	9.04	9.00	8.85	8.85	8.49	8.49	8.46									
MINIMUM	7.61	7.42	7.48	7.04	7.23	6.62	6.14	6.14									
RANGE (MAX-MIN)	1.39	1.62	1.52	1.81	1.62	1.87	2.35	2.32									
MEAN	8.33	8.23	8.34	8.00	8.04	7.70	7.24	7.14									
STD	0.33	0.39	0.33	0.35	0.37	0.42	0.50	0.52									



yi within 1 73%
 yi within 2 92%
 yi within 3 100%

PART ID = Sequence V - Pistons E1-E8

Yi VALUES

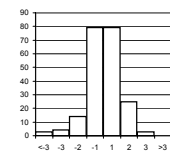
	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8										MEAN	STD
Pansza, Mike	-0.41	-0.02	-0.08	0.40	-0.04	0.38	0.75	0.12										0.14	0.36
Castillo, George	-1.20	-2.07	-1.82	-2.75	-2.20	-2.58	-2.19	-1.92										-2.09	0.48
Radonich, Pete	0.08	0.40	0.25	0.37	0.42	-0.19	0.15	0.20										0.21	0.20
Tschirhart, Garland	-0.07	0.22	-0.08	-0.26	-1.44	-1.17	-0.46	-0.24										-0.44	0.57
Kobrinetz, Jack	-0.16	0.27	0.13	0.28	0.89	0.47	0.91	0.64										0.43	0.37
Lopez, Frank	-0.53	-0.12	-0.42	0.05	-0.67	-0.03	-1.08	-1.23										-0.50	0.47
Caproni, David	0.36	-0.07	0.19	0.43	-0.02	0.71	0.79	1.01										0.43	0.39
Foecking, Brian	0.21	-0.07	0.50	-0.29	-0.37	-0.96	-0.68	-0.84										-0.31	0.51
Hills, Barry	2.04	1.86	2.02	2.43	1.43	1.88	2.48	2.55										2.09	0.38
Garcia, Orlando	-2.21	-1.76	-2.61	-1.55	-1.77	-1.39	-0.92	-1.54										-1.72	0.52
Cales, Jonathon	0.76	-0.12	0.56	-0.06	0.83	1.23	0.31	0.32										0.48	0.46
Hill, John	0.66	0.81	0.28	0.54	0.18	-0.34	-0.84	-0.96										0.04	0.68
Sanchez, Art	-0.37	0.19	0.95	-0.46	0.72	-0.19	0.19	0.26										0.16	0.50
Ramirez, Robert	0.27	0.40	0.37	0.74	0.31	0.21	0.51	1.05										0.48	0.28
Lowsky, John	-0.86	-0.45	-0.57	-0.43	-0.51	-0.12	0.21	0.12										-0.33	0.37
Greenland, Paul	-1.02	-1.09	-1.33	-0.86	-0.62	0.23	0.51	0.51										-0.46	0.76
Adams, Pat	0.48	0.93	0.98	1.06	0.18	0.00	0.69	-0.46										0.48	0.54
Seiz, Ray	1.89	2.09	1.17	0.97	2.23	1.78	1.30	1.55										1.62	0.45
Yanchar, Pau	0.51	0.19	0.80	0.28	-0.23	-0.81	-0.54	-0.34										-0.02	0.55
Sessions, Gwen	-1.02	-1.20	-0.27	0.00	-0.10	0.11	0.01	-0.26										-0.34	0.49
Anderson, Richard	-1.02	-1.22	-0.27	0.00	-0.10	-0.48	0.01	-0.26										-0.42	0.47
Viera, Ralph	0.33	0.29	0.01	-1.12	-0.23	0.81	-1.39	-0.53										-0.23	0.75
Rodriguez, Jesse	1.28	0.55	-0.75	0.23	1.11	0.45	-0.74	0.26										0.30	0.75
Yi MAXIMUM	-2.21	2.09	-2.61	-2.75	2.23	-2.58	2.48	2.55										-2.09	0.76
Yi MINIMUM	-0.07	-0.02	0.01	0.00	-0.02	0.00	0.01	0.12										-0.02	0.20
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00											
Ratings MEAN	8.33	8.23	8.34	8.00	8.04	7.70	7.24	7.14											
Ratings STD	0.33	0.39	0.33	0.35	0.37	0.42	0.50	0.52											

Light Duty Rating Workshop

PART ID = Sequence V - Sludge

RATED VALUES

	Rocker Cover L	Rocker Cover R	Rocker Cover Baffle L	Rocker Cover Baffle R	Timing Chain Cover	Oil Pan Baffle	Oil Pan	Valve Deck Area L	Valve Deck Area R								
Pansza, Mike	9.16	9.42	7.92	7.76	8.46	6.92	8.98	8.84	8.04								
Garcia, Orlando	9.19	9.39	8.21	8.08	7.87	7.21	8.56	8.33	7.77								
Castillo, George	9.25	9.37	8.03	8.20	7.47	7.32	9.45	8.74	8.06								
Radonich, Pete	9.28	9.38	8.00	8.08	7.82	7.32	9.42	8.54	7.82								
Tschirhart, Garland	9.22	9.50	8.00	8.10	7.10	6.90	8.90	8.44	7.79								
Kobrinetz, Jack	9.31	9.45	8.55	8.48	7.91	7.60	9.24	8.79	8.00								
Lopez, Frank	9.30	9.40	7.82	8.00	7.83	7.60	9.04	8.39	8.00								
Caproni, David	9.25	9.33	8.27	7.91	7.69	7.12	9.20	8.73	7.98								
Foecking, Brian	9.29	9.42	8.10	8.30	7.79	7.46	9.11	8.69	7.90								
Hills, Barry	8.97	9.19	8.42	8.53	7.97	7.96	9.00	8.96	7.48								
Cales, Jonathon	9.41	9.55	7.53	7.72	8.01	7.74	9.14	9.02	8.40								
Lowsky, John	9.26	9.44	7.68	7.48	6.50	7.20	8.66	8.39	8.00								
Sanchez, Art	9.45	9.56	7.30	8.00	7.40	7.21	9.34	8.70	7.90								
Greenland, Paul	9.35	9.53	8.00	8.00	7.80	7.30	9.20	8.10	7.60								
Hill, John	9.20	8.90	7.60	7.60	7.72	5.90	9.00	7.80	8.20								
Ramirez, Robert	9.20	9.38	8.34	8.62	7.45	7.32	9.04	8.67	8.02								
Pawczuk, Greg	9.10	9.60	7.90	7.80	8.00	7.70	8.80	8.80	8.20								
Seiz, Ray	9.24	9.34	8.70	8.08	8.48	7.74	8.96	9.11	8.32								
Yanchar, Paul	9.33	9.50	8.05	8.36	8.01	7.32	9.08	8.76	8.03								
Adams, Pat	9.28	9.54	7.88	8.14	7.80	7.30	8.88	8.80	8.02								
Viera, Ralph	9.43	9.58	8.00	8.01	7.64	7.26	9.39	9.09	8.60								
Avis, Steve	9.23	9.45	8.45	8.57	8.16	7.22	9.02	8.72	8.02								
Rodriguez, Jesse	9.26	9.46	9.27	9.33	7.62	7.27	9.41	8.98	7.85								
MAXIMUM	9.45	9.60	9.27	9.33	8.48	7.96	9.45	9.11	8.60								
MINIMUM	8.97	8.90	7.30	7.48	6.50	5.90	8.56	7.80	7.48								
RANGE (MAX-MIN)	0.48	0.70	1.97	1.85	1.98	2.06	0.89	1.31	1.12								
MEAN	9.26	9.42	8.09	8.14	7.76	7.30	9.08	8.67	8.00								
STD	0.10	0.15	0.42	0.40	0.42	0.40	0.24	0.32	0.24								



yi within 1 76.3%
 yi within 2 95.2%
 yi within 3 98.6%

PART ID = Sequence V - Sludge

YI VALUES

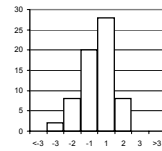
	Rocker Cover L	Rocker Cover R	Rocker Cover Baffle L	Rocker Cover Baffle R	Timing Chain Cover	Oil Pan Baffle	Oil Pan	Valve Deck Area L	Valve Deck Area R									MEAN	STD
Pansza, Mike	-0.95	-0.01	-0.40	-0.95	1.68	-0.95	-0.42	0.54	0.16									-0.14	0.86
Garcia, Orlando	-0.66	-0.21	0.29	-0.14	0.26	-0.22	-2.20	-1.07	-0.94									-0.54	0.78
Castillo, George	-0.09	-0.34	-0.14	0.16	-0.70	0.05	1.57	0.22	0.25									0.11	0.63
Radonich, Pete	0.20	-0.28	-0.21	-0.14	0.14	0.05	1.44	-0.41	-0.74									0.01	0.61
Tschirhart, Garland	-0.37	0.53	-0.21	-0.09	-1.59	-1.00	-0.76	-0.73	-0.86									-0.56	0.61
Kobrinetz, Jack	0.49	0.20	1.10	0.86	0.36	0.75	0.68	0.38	0.00									0.54	0.34
Lopez, Frank	0.39	-0.14	-0.64	-0.34	0.17	0.75	-0.17	-0.88	0.00									-0.10	0.50
Caproni, David	-0.09	-0.61	0.43	-0.57	-0.17	-0.45	0.51	0.19	-0.08									-0.09	0.41
Foecking, Brian	0.29	-0.01	0.03	0.41	0.07	0.40	0.13	0.07	-0.41									0.11	0.25
Hills, Barry	-2.76	-1.56	0.79	0.99	0.50	1.65	-0.34	0.92	-2.13									-0.21	1.57
Cales, Jonathon	1.44	0.87	-1.33	-1.05	0.60	1.10	0.26	1.11	1.64									0.52	1.05
Lowsky, John	0.01	0.13	-0.97	-1.65	-3.03	-0.25	-1.78	-0.88	0.00									-0.94	1.06
Sanchez, Art	1.82	0.94	-1.87	-0.34	-0.87	-0.22	1.11	0.10	-0.41									0.03	1.12
Greenland, Paul	0.87	0.74	-0.21	-0.34	0.09	0.00	0.51	-1.80	-1.64									-0.20	0.96
Hill, John	-0.56	-3.52	-1.16	-1.35	-0.10	-3.50	-0.34	-2.75	0.82									-1.38	1.55
Ramirez, Robert	-0.56	-0.28	0.60	1.21	-0.75	0.05	-0.17	0.00	0.08									0.02	0.59
Pawczuk, Greg	-1.52	1.21	-0.45	-0.85	0.57	1.00	-1.18	0.41	0.82									0.00	1.02
Seiz, Ray	-0.18	-0.55	1.46	-0.14	1.73	1.10	-0.50	1.40	1.31									0.62	0.94
Yanchar, Paul	0.68	0.53	-0.09	0.56	0.60	0.05	0.00	0.29	0.12									0.31	0.29
Adams, Pat	0.20	0.80	-0.49	0.01	0.09	0.00	-0.84	0.41	0.08									0.03	0.48
Viera, Ralph	1.63	1.07	-0.21	-0.32	-0.29	-0.10	1.32	1.33	2.46									0.77	1.02
Avis, Steve	-0.28	0.20	0.86	1.09	0.96	-0.20	-0.25	0.16	0.08									0.29	0.54
Rodriguez, Jesse	0.01	0.26	2.81	3.00	-0.34	-0.07	1.40	0.98	-0.61									0.83	1.33
Yi MAXIMUM	-2.76	-3.52	2.81	3.00	-3.03	-3.50	-2.20	-2.75	2.46									-1.38	1.57
Yi MINIMUM	0.01	-0.01	0.03	0.01	0.07	0.00	0.00	0.00	0.16									0.00	0.25
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	9.26	9.42	8.09	8.14	7.76	7.30	9.08	8.67	8.00										
Ratings STD	0.10	0.15	0.42	0.40	0.42	0.40	0.24	0.32	0.24										

Light Duty Rating Workshop

PART ID = Sequence V - Varnish

RATED VALUES

	Piston Skirts (Thrust)	Rocker Cover Baffle L	Rocker Cover Baffle R													
Pansza, Mike	8.26	8.63	9.61													
Garcia, Orlando	8.13	8.29	9.51													
Castillo, George	7.50	8.21	9.51													
Radonich, Pete	8.36	8.72	9.70													
Tschirhart, Garland	8.27	8.98	9.48													
Kobrinetz, Jack	8.29	8.62	9.62													
Lopez, Frank	7.62	8.64	9.70													
Caproni, David	8.44	8.48	9.28													
Foecking, Brian	8.14	8.52	9.66													
Hills, Barry	8.39	8.64	9.80													
Cales, Jonathon	8.60	8.03	9.42													
Lowsky, John	7.92	8.06	8.85													
Sanchez, Art	8.42	8.96	9.54													
Hill, John	8.10	8.86	9.70													
Ramirez, Robert	8.12	8.29	9.50													
Greenland, Paul	8.05	8.49	9.33													
Pawczuk, Greg	7.14	8.09	9.15													
Seiz, Ray	8.62	8.80	9.46													
Yanchar, Paul	8.42	8.55	9.52													
Adams, Pat	8.38	8.63	9.75													
Viera, Ralph	7.98	8.63	9.42													
Rodriguez, Jesse	8.36	8.81	9.80													
MAXIMUM	8.62	8.98	9.80													
MINIMUM	7.14	8.03	8.85													
RANGE (MAX-MIN)	1.48	0.95	0.95													
MEAN	8.16	8.54	9.51													
STD	0.36	0.28	0.22													



yi within 1 72.7%
 yi within 2 97.0%
 yi within 3 100.0%

PART ID = Sequence V - Varnish

Yi VALUES

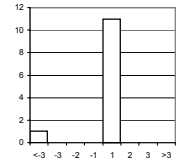
	Piston Skirts (Thrust)	Rocker Cover Baffle L	Rocker Cover Baffle R														MEAN	STD
Pansza, Mike	0.28	0.31	0.43														0.34	0.08
Garcia, Orlando	-0.08	-0.91	-0.02														-0.34	0.49
Castillo, George	-1.83	-1.19	-0.02														-1.02	0.92
Radonich, Pete	0.56	0.64	0.83														0.68	0.14
Tschirhart, Garland	0.31	1.57	-0.15														0.58	0.89
Kobrinetz, Jack	0.36	0.28	0.47														0.37	0.10
Lopez, Frank	-1.50	0.35	0.83														-0.11	1.23
Caproni, David	0.78	-0.22	-1.05														-0.16	0.92
Foecking, Brian	-0.05	-0.08	0.65														0.17	0.42
Hills, Barry	0.64	0.35	1.28														0.76	0.47
Cales, Jonathon	1.22	-1.84	-0.42														-0.35	1.53
Lowsky, John	-0.67	-1.73	-2.97														-1.79	1.15
Sanchez, Art	0.72	1.50	0.12														0.78	0.69
Hill, John	-0.17	1.14	0.83														0.60	0.68
Ramirez, Robert	-0.11	-0.91	-0.06														-0.36	0.47
Greenland, Paul	-0.30	-0.19	-0.82														-0.44	0.34
Pawczuk, Greg	-2.84	-1.62	-1.63														-2.03	0.70
Seiz, Ray	1.28	0.93	-0.24														0.65	0.80
Yanchar, Paul	0.72	0.03	0.03														0.26	0.40
Adams, Pat	0.61	0.31	1.06														0.66	0.37
Viera, Ralph	-0.50	0.31	-0.42														-0.20	0.45
Rodriguez, Jesse	0.56	0.96	1.28														0.93	0.36
Yi MAXIMUM	-2.84	-1.84	-2.97														-2.03	1.53
Yi MINIMUM	-0.05	0.03	-0.02														-0.11	0.08
Yi MEAN	0.00	0.00	0.00															
Yi STD	1.00	1.00	1.00															
Ratings MEAN	8.16	8.54	9.51															
Ratings STD	0.36	0.28	0.22															

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Ring Sticking C1

RATED VALUES

	% Ring Sticking															
Tschirhart, Garland	100.00															
Radonich, Pete	100.00															
Castillo, George	100.00															
Foecking, Brian	100.00															
Guarda, Waldyr	100.00															
Garcia, Orlando	100.00															
Pansza, Mike	100.00															
Szynal, Stephen	100.00															
Yanchar, Paul	100.00															
Rodriguez, Jesse	100.00															
Seiz, Ray	100.00															
Sanchez, Art	95.00															
MAXIMUM	100.00															
MINIMUM	95.00															
RANGE (MAX-MIN)	5.00															
MEAN	99.58															
STD	1.44															



yi within 1 91.7%
 yi within 2 91.7%
 yi within 3 91.7%

PART ID = 2 Cycle Calibration - Ring Sticking C1

YI VALUES

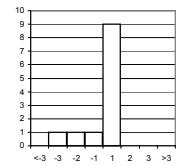
	% Ring Sticking																MEAN	STD
Tschirhart, Garland	0.29																0.29	
Radonich, Pete	0.29																0.29	
Castillo, George	0.29																0.29	
Foecking, Brian	0.29																0.29	
Guarda, Waldyr	0.29																0.29	
Garcia, Orlando	0.29																0.29	
Pansza, Mike	0.29																0.29	
Szynal, Stephen	0.29																0.29	
Yanchar, Paul	0.29																0.29	
Rodriguez, Jesse	0.29																0.29	
Seiz, Ray	0.29																0.29	
Sanchez, Art	-3.18																-3.18	
Yi MAXIMUM	-3.18																-3.18	
Yi MINIMUM	0.29																0.29	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	99.58																	
Ratings STD	1.44																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Ring Sticking C2

RATED VALUES

	% Ring Sticking															
Tschirhart, Garland	50.00															
Radonich, Pete	40.00															
Castillo, George	53.00															
Foecking, Brian	20.00															
Guarda, Waldyr	50.00															
Garcia, Orlando	47.00															
Pansza, Mike	47.50															
Szynal, Stephen	50.00															
Yanchar, Paul	50.00															
Rodriguez, Jesse	50.00															
Seiz, Ray	50.00															
Sanchez, Art	30.00															
MAXIMUM	53.00															
MINIMUM	20.00															
RANGE (MAX-MIN)	33.00															
MEAN	44.79															
STD	9.99															



yi within 1 83.3%
 yi within 2 91.7%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Ring Sticking C2

YI VALUES

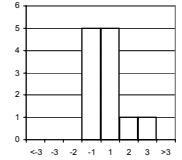
	% Ring Sticking																MEAN	STD
Tschirhart, Garland	0.52																0.52	
Radonich, Pete	-0.48																-0.48	
Castillo, George	0.82																0.82	
Foecking, Brian	-2.48																-2.48	
Guarda, Waldyr	0.52																0.52	
Garcia, Orlando	0.22																0.22	
Pansza, Mike	0.27																0.27	
Szynal, Stephen	0.52																0.52	
Yanchar, Paul	0.52																0.52	
Rodriguez, Jesse	0.52																0.52	
Seiz, Ray	0.52																0.52	
Sanchez, Art	-1.48																-1.48	
Yi MAXIMUM	-2.48																-2.48	
Yi MINIMUM	0.22																0.22	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	44.79																	
Ratings STD	9.99																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Block C1

RATED VALUES

	% Cylinder Block Scuffing															
Tschirhart, Garland	1.00															
Radonich, Pete	1.00															
Castillo, George	0.00															
Foecking, Brian	0.00															
Guarda, Waldyr	1.00															
Garcia, Orlando	1.00															
Pansza, Mike	0.00															
Szynal, Stephen	0.00															
Yanchar, Paul	0.00															
Rodriguez, Jesse	1.00															
Seiz, Ray	3.00															
Sanchez, Art	2.00															
MAXIMUM	3.00															
MINIMUM	0.00															
RANGE (MAX-MIN)	3.00															
MEAN	0.83															
STD	0.94															



yi within 1 83.3%
 yi within 2 91.7%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Block C1

YI VALUES

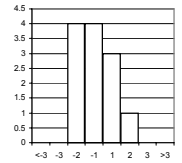
	% Cylinder Block Scuffing																MEAN	STD
Tschirhart, Garland	0.18																0.18	
Radonich, Pete	0.18																0.18	
Castillo, George	-0.89																-0.89	
Foecking, Brian	-0.89																-0.89	
Guarda, Waldyr	0.18																0.18	
Garcia, Orlando	0.18																0.18	
Pansza, Mike	-0.89																-0.89	
Szynal, Stephen	-0.89																-0.89	
Yanchar, Paul	-0.89																-0.89	
Rodriguez, Jesse	0.18																0.18	
Seiz, Ray	2.31																2.31	
Sanchez, Art	1.24																1.24	
Yi MAXIMUM	2.31																2.31	
Yi MINIMUM	0.18																0.18	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	0.83																	
Ratings STD	0.94																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Block C2

RATED VALUES

	% Cylinder Block Scuffing															
Tschirhart, Garland	2.00															
Radonich, Pete	1.00															
Castillo, George	0.00															
Foecking, Brian	2.00															
Guarda, Waldyr	0.00															
Garcia, Orlando	1.00															
Pansza, Mike	1.00															
Szynal, Stephen	1.00															
Yanchar, Paul	0.00															
Rodriguez, Jesse	0.00															
Seiz, Ray	2.00															
Sanchez, Art	3.00															
MAXIMUM	3.00															
MINIMUM	0.00															
RANGE (MAX-MIN)	3.00															
MEAN	1.08															
STD	1.00															



yi within 1 58.3%
 yi within 2 100.0%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Block C2

YI VALUES

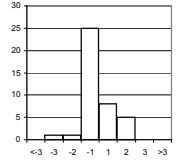
	% Cylinder Block Scuffing																MEAN	STD
Tschirhart, Garland	0.92																0.92	
Radonich, Pete	-0.08																-0.08	
Castillo, George	-1.09																-1.09	
Foecking, Brian	0.92																0.92	
Guarda, Waldyr	-1.09																-1.09	
Garcia, Orlando	-0.08																-0.08	
Pansza, Mike	-0.08																-0.08	
Szynal, Stephen	-0.08																-0.08	
Yanchar, Paul	-1.09																-1.09	
Rodriguez, Jesse	-1.09																-1.09	
Seiz, Ray	0.92																0.92	
Sanchez, Art	1.92																1.92	
Yi MAXIMUM	1.92																1.92	
Yi MINIMUM	-0.08																-0.08	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	1.08																	
Ratings STD	1.00																	

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N1-R1

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.09	0.00	4.00	2.00	0.00											
Radonich, Pete	8.30	0.00	3.00	2.00	0.00											
Tschirhart, Garland	8.30	0.00	4.00	5.00	0.00											
Foecking, Brian	7.80	0.00	6.00	4.00	0.00											
Szynal, Stephen	8.12	0.00	5.00	2.00	0.00											
Pansza, Mike	7.88	0.00	4.00	3.00	1.00											
Seiz, Ray	6.91	0.00	5.00	2.00	1.00											
Yanchar, Paul	7.90	0.00	7.00	2.00	0.00											
MAXIMUM	8.30	0.00	7.00	5.00	1.00											
MINIMUM	6.91	0.00	3.00	2.00	0.00											
RANGE (MAX-MIN)	1.39	0.00	4.00	3.00	1.00											
MEAN	7.91	0.00	4.75	2.75	0.25											
STD	0.45	0.00	1.28	1.16	0.46											



PART ID = 2-Cycle Combustion Chamber N1-R1

Yi VALUES

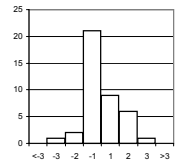
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.40	0.00	-0.59	-0.64	-0.54												-0.27	0.46
Radonich, Pete	0.87	0.00	-1.37	-0.64	-0.54												-0.34	0.83
Tschirhart, Garland	0.87	0.00	-0.59	1.93	-0.54												0.33	1.07
Foecking, Brian	-0.25	0.00	0.98	1.07	-0.54												0.25	0.73
Szynal, Stephen	0.47	0.00	0.20	-0.64	-0.54												-0.10	0.48
Pansza, Mike	-0.07	0.00	-0.59	0.21	1.62												0.24	0.83
Seiz, Ray	-2.25	0.00	0.20	-0.64	1.62												-0.22	1.40
Yanchar, Paul	-0.03	0.00	1.76	-0.64	-0.54												0.11	0.97
Yi MAXIMUM	-2.25	0.00	1.76	1.93	1.62												-0.34	1.40
Yi MINIMUM	-0.03	0.00	0.20	0.21	-0.54												-0.10	0.46
Yi MEAN	0.00	0.00	0.00	0.00	0.00													
Yi STD	1.00	0.00	1.00	1.00	1.00													
Ratings MEAN	7.91	0.00	4.75	2.75	0.25													
Ratings STD	0.45	0.00	1.28	1.16	0.46													

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N2-R2

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	9.30	30.00	8.00	0.00	0.00											
Radonich, Pete	9.34	25.00	9.00	1.00	0.00											
Tschirhart, Garland	9.40	23.00	9.00	2.00	0.00											
Foecking, Brian	9.35	30.00	1.00	0.00	0.00											
Szynal, Stephen	9.20	30.00	1.00	0.00	0.00											
Pansza, Mike	8.87	37.00	7.00	1.00	0.00											
Seiz, Ray	9.35	37.00	2.00	3.00	3.00											
Yanchar, Paul	9.38	37.00	1.00	1.00	0.00											
MAXIMUM	9.40	37.00	9.00	3.00	3.00											
MINIMUM	8.87	23.00	1.00	0.00	0.00											
RANGE (MAX-MIN)	0.53	14.00	8.00	3.00	3.00											
MEAN	9.27	31.13	4.75	1.00	0.38											
STD	0.17	5.49	3.81	1.07	1.06											



PART ID = 2-Cycle Combustion Chamber N2-R2

Yi VALUES

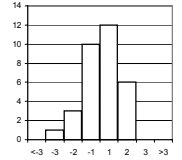
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.15	-0.20	0.85	-0.94	-0.35												-0.10	0.66
Radonich, Pete	0.38	-1.12	1.12	0.00	-0.35												0.01	0.83
Tschirhart, Garland	0.72	-1.48	1.12	0.94	-0.35												0.19	1.09
Foecking, Brian	0.44	-0.20	-0.98	-0.94	-0.35												-0.41	0.59
Szynal, Stephen	-0.42	-0.20	-0.98	-0.94	-0.35												-0.58	0.36
Pansza, Mike	-2.32	1.07	0.59	0.00	-0.35												-0.20	1.30
Seiz, Ray	0.44	1.07	-0.72	1.87	2.47												1.03	1.25
Yanchar, Paul	0.61	1.07	-0.98	0.00	-0.35												0.07	0.80
Yi MAXIMUM	-2.32	-1.48	1.12	1.87	2.47												1.03	1.30
Yi MINIMUM	0.15	-0.20	0.59	0.00	-0.35												0.01	0.36
Yi MEAN	0.00	0.00	0.00	0.00	0.00													
Yi STD	1.00	1.00	1.00	1.00	1.00													
Ratings MEAN	9.27	31.13	4.75	1.00	0.38													
Ratings STD	0.17	5.49	3.81	1.07	1.06													

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N3-R3

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.52	100.00	4.00	0.00												
Radonich, Pete	8.40	100.00	3.00	0.00												
Tschirhart, Garland	8.50	100.00	3.00	1.00												
Foecking, Brian	8.50	95.00	7.00	1.00												
Szynal, Stephen	8.20	100.00	6.00	1.00												
Pansza, Mike	8.42	100.00	7.00	0.00												
Seiz, Ray	8.46	100.00	5.00	0.00												
Yanchar, Paul	8.70	100.00	4.00	0.00												
MAXIMUM	8.70	100.00	7.00	1.00												
MINIMUM	8.20	95.00	3.00	0.00												
RANGE (MAX-MIN)	0.50	5.00	4.00	1.00												
MEAN	8.46	99.38	4.88	0.38												
STD	0.14	1.77	1.64	0.52												



yi within 1 69%
 yi within 2 97%
 yi within 3 100%

PART ID = 2-Cycle Combustion Chamber N3-R3

Yi VALUES

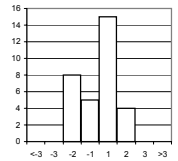
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.41	0.35	-0.53	-0.72													-0.12	0.59
Radonich, Pete	-0.45	0.35	-1.14	-0.72													-0.49	0.63
Tschirhart, Garland	0.27	0.35	-1.14	1.21													0.17	0.97
Foecking, Brian	0.27	-2.47	1.29	1.21													0.07	1.76
Szynal, Stephen	-1.88	0.35	0.69	1.21													0.09	1.36
Pansza, Mike	-0.30	0.35	1.29	-0.72													0.15	0.88
Seiz, Ray	-0.02	0.35	0.08	-0.72													-0.08	0.46
Yanchar, Paul	1.70	0.35	-0.53	-0.72													0.20	1.10
Yi MAXIMUM	-1.88	-2.47	1.29	1.21													-0.49	1.76
Yi MINIMUM	-0.02	0.35	0.08	-0.72													0.07	0.46
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	8.46	99.38	4.88	0.38														
Ratings STD	0.14	1.77	1.64	0.52														

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N4-R4

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.60	30.00	2.00	0.00												
Radonich, Pete	8.60	25.00	2.00	0.00												
Tschirhart, Garland	8.60	22.00	2.00	1.00												
Foecking, Brian	8.35	20.00	2.00	2.00												
Szynal, Stephen	8.25	20.00	1.00	1.00												
Pansza, Mike	8.65	23.00	0.00	1.00												
Seiz, Ray	8.13	30.00	1.00	0.00												
Yanchar, Paul	8.80	25.00	2.00	1.00												
MAXIMUM	8.80	30.00	2.00	2.00												
MINIMUM	8.13	20.00	0.00	0.00												
RANGE (MAX-MIN)	0.67	10.00	2.00	2.00												
MEAN	8.50	24.38	1.50	0.75												
STD	0.23	3.96	0.76	0.71												



PART ID = 2-Cycle Combustion Chamber N4-R4

Yi VALUES

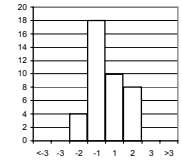
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.45	1.42	0.66	-1.06													0.37	1.04
Radonich, Pete	0.45	0.16	0.66	-1.06													0.05	0.77
Tschirhart, Garland	0.45	-0.60	0.66	0.35													0.22	0.56
Foecking, Brian	-0.65	-1.10	0.66	1.77													0.17	1.30
Szynal, Stephen	-1.08	-1.10	-0.66	0.35													-0.62	0.68
Pansza, Mike	0.67	-0.35	-1.98	0.35													-0.33	1.18
Seiz, Ray	-1.61	1.42	-0.66	-1.06													-0.48	1.32
Yanchar, Paul	1.33	0.16	0.66	0.35													0.62	0.51
Yi MAXIMUM	-1.61	1.42	-1.98	1.77													0.62	1.32
Yi MINIMUM	0.45	0.16	-0.66	0.35													0.05	0.51
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	8.50	24.38	1.50	0.75														
Ratings STD	0.23	3.96	0.76	0.71														

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M1

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	3.90	8.40	2.00	2.60	7.60	6.70	8.00	7.50								
Radonich, Pete	2.10	7.50	1.70	2.20	8.20	6.80	7.90	7.30								
Szynal, Stephen	2.60	7.89	2.36	2.55	7.82	6.35	6.50	7.22								
Seiz, Ray	4.77	8.53	3.94	4.75	7.98	8.47	8.63	6.60								
Yanchar, Paul	1.96	6.83	2.15	2.08	7.18	7.02	7.76	6.80								
MAXIMUM	4.77	8.53	3.94	4.75	8.20	8.47	8.63	7.50								
MINIMUM	1.96	6.83	1.70	2.08	7.18	6.35	6.50	6.60								
RANGE (MAX-MIN)	2.81	1.70	2.24	2.67	1.02	2.12	2.13	0.90								
MEAN	3.07	7.83	2.43	2.84	7.76	7.07	7.76	7.08								
STD	1.22	0.69	0.88	1.09	0.39	0.82	0.78	0.37								



yi within 1 70%
 yi within 2 100%
 yi within 3 100%

PART ID = 2-Cycle Piston M1

Yi VALUES

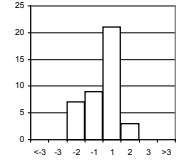
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.68	0.82	-0.49	-0.22	-0.40	-0.45	0.31	1.12									0.17	0.64
Radonich, Pete	-0.79	-0.48	-0.83	-0.58	1.14	-0.33	0.18	0.58									-0.14	0.71
Szynal, Stephen	-0.38	0.09	-0.08	-0.26	0.16	-0.88	-1.62	0.37									-0.32	0.65
Seiz, Ray	1.39	1.01	1.72	1.75	0.57	1.71	1.12	-1.30									1.00	1.02
Yanchar, Paul	-0.91	-1.44	-0.32	-0.69	-1.48	-0.06	0.00	-0.76									-0.71	0.57
Yi MAXIMUM	1.39	-1.44	1.72	1.75	-1.48	1.71	-1.62	-1.30									1.00	1.02
Yi MINIMUM	-0.38	0.09	-0.08	-0.22	0.16	-0.06	0.00	0.37									-0.14	0.57
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	3.07	7.83	2.43	2.84	7.76	7.07	7.76	7.08										
Ratings STD	1.22	0.69	0.88	1.09	0.39	0.82	0.78	0.37										

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M2

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	5.38	8.00	5.06	2.98	8.60	6.90	8.10	8.30								
Radonich, Pete	5.00	7.50	7.80	5.60	8.53	7.50	8.50	7.60								
Szynal, Stephen	5.54	8.15	6.66	4.11	8.50	7.30	8.44	8.13								
Seiz, Ray	6.24	7.75	6.26	7.20	8.00	7.65	8.13	6.37								
Yanchar, Paul	4.11	7.24	5.08	7.00	8.38	7.52	7.36	7.63								
MAXIMUM	6.24	8.15	7.80	7.20	8.60	7.65	8.50	8.30								
MINIMUM	4.11	7.24	5.06	2.98	8.00	6.90	7.36	6.37								
RANGE (MAX-MIN)	2.13	0.91	2.74	4.22	0.60	0.75	1.14	1.93								
MEAN	5.25	7.73	6.17	5.38	8.40	7.37	8.11	7.61								
STD	0.78	0.37	1.15	1.83	0.24	0.29	0.45	0.76								



PART ID = 2-Cycle Piston M2

Yi VALUES

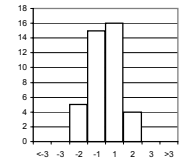
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.16	0.74	-0.96	-1.31	0.83	-1.62	-0.01	0.92									-0.16	1.01
Radonich, Pete	-0.33	-0.62	1.41	0.12	0.54	0.43	0.87	-0.01									0.30	0.65
Szynal, Stephen	0.37	1.15	0.42	-0.69	0.41	-0.25	0.74	0.69									0.35	0.58
Seiz, Ray	1.26	0.06	0.08	1.00	-1.69	0.94	0.05	-1.64									0.01	1.13
Yanchar, Paul	-1.46	-1.32	-0.95	0.89	-0.09	0.50	-1.64	0.03									-0.51	0.96
Yi MAXIMUM	-1.46	-1.32	1.41	-1.31	-1.69	-1.62	-1.64	-1.64									-0.51	1.13
Yi MINIMUM	0.16	0.06	0.08	0.12	-0.09	-0.25	-0.01	-0.01									0.01	0.58
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	5.25	7.73	6.17	5.38	8.40	7.37	8.11	7.61										
Ratings STD	0.78	0.37	1.15	1.83	0.24	0.29	0.45	0.76										

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M3

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	7.50	8.70	3.50	4.03	8.11	8.30	8.20	8.00								
Radonich, Pete	7.40	8.50	4.40	4.20	8.40	8.30	8.80	8.20								
Szynal, Stephen	7.25	8.55	3.51	4.27	8.25	8.44	8.27	8.37								
Seiz, Ray	7.11	8.32	4.60	3.90	9.12	7.74	8.17	6.46								
Yanchar, Paul	5.30	8.22	3.90	3.37	8.36	8.12	8.16	7.52								
MAXIMUM	7.50	8.70	4.60	4.27	9.12	8.44	8.80	8.37								
MINIMUM	5.30	8.22	3.50	3.37	8.11	7.74	8.16	6.46								
RANGE (MAX-MIN)	2.20	0.48	1.10	0.90	1.01	0.70	0.64	1.91								
MEAN	6.91	8.46	3.98	3.95	8.45	8.18	8.32	7.71								
STD	0.91	0.19	0.50	0.36	0.39	0.27	0.27	0.77								



PART ID = 2-Cycle Piston M3

Yi VALUES

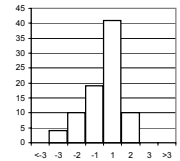
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.64	1.27	-0.96	0.21	-0.86	0.44	-0.44	0.38									0.09	0.78
Radonich, Pete	0.53	0.22	0.83	0.69	-0.12	0.44	1.77	0.64									0.62	0.55
Szynal, Stephen	0.37	0.48	-0.94	0.88	-0.50	0.96	-0.18	0.86									0.24	0.71
Seiz, Ray	0.22	-0.73	1.22	-0.15	1.71	-1.62	-0.55	-1.63									-0.19	1.22
Yanchar, Paul	-1.77	-1.25	-0.16	-1.64	-0.22	-0.22	-0.59	-0.25									-0.76	0.68
Yi MAXIMUM	-1.77	1.27	1.22	-1.64	1.71	-1.62	1.77	-1.63									-0.76	1.22
Yi MINIMUM	0.22	0.22	-0.16	-0.15	-0.12	-0.22	-0.18	-0.25									0.09	0.55
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	6.91	8.46	3.98	3.95	8.45	8.18	8.32	7.71										
Ratings STD	0.91	0.19	0.50	0.36	0.39	0.27	0.27	0.77										

Light Duty Rating Workshop

PART ID = Induction/Combustion Calibration

RATED VALUES

	Valve C-1	Valve C-2	Piston C-1	Piston C-2												
Guarda, Waldyr	9.80	7.60	8.43	8.83												
Tschirhart, Garland	9.80	7.10	8.65	9.30												
Radonich, Pete	9.80	7.40	8.30	9.20												
Castillo, George	9.70	6.80	8.40	8.30												
Foecking, Brian	9.90	7.30	8.65	8.90												
Lopez, Frank	9.80	7.40	8.54	8.71												
Garcia, Orlando	9.70	7.70	7.76	7.96												
Kobrinetz, Jack	9.80	7.50	7.80	8.28												
Pansza, Mike	9.63	7.64	8.51	8.42												
Sessions, Gwen	9.86	7.60	7.90	8.49												
Anderson, Richard	9.85	7.50	7.90	8.49												
Lowsky, John	9.85	6.90	7.78	8.29												
Adams, Pat	9.60	7.60	7.90	7.75												
Avis, Steve	9.80	7.60	7.08	8.08												
Ramirez, Robert	9.80	7.60	8.60	8.80												
Seiz, Ray	9.80	7.35	8.68	8.63												
Yanchar, Paul	9.80	7.70	8.30	9.00												
Pawczuk, Greg	9.80	7.80	7.43	8.10												
Rodriguez, Jesse	9.80	7.40	8.20	8.62												
Sanchez, Art	9.70	7.50	7.30	7.65												
Hill, John	9.90	7.80	8.50	8.85												
MAXIMUM	9.90	7.80	8.68	9.30												
MINIMUM	9.60	6.80	7.08	7.65												
RANGE (MAX-MIN)	0.30	1.00	1.60	1.65												
MEAN	9.79	7.47	8.12	8.51												
STD	0.08	0.27	0.48	0.45												



yi within 1 71.4%
 yi within 2 95.2%
 yi within 3 100.0%

PART ID = Induction/Combustion Calibration

YI VALUES

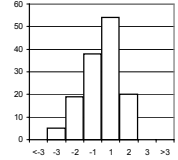
	Valve C-1	Valve C-2	Piston C-1	Piston C-2													MEAN	STD
Guarda, Waldyr	0.19	0.50	0.64	0.72													0.51	0.24
Tschirhart, Garland	0.19	-1.38	1.10	1.78													0.42	1.37
Radonich, Pete	0.19	-0.25	0.37	1.55													0.46	0.77
Castillo, George	-1.09	-2.51	0.58	-0.46													-0.87	1.29
Foecking, Brian	1.46	-0.63	1.10	0.88													0.70	0.92
Lopez, Frank	0.19	-0.25	0.87	0.45													0.32	0.47
Garcia, Orlando	-1.09	0.88	-0.76	-1.23													-0.55	0.97
Kobrinetz, Jack	0.19	0.13	-0.68	-0.51													-0.22	0.44
Pansza, Mike	-1.98	0.66	0.81	-0.20													-0.18	1.28
Sessions, Gwen	0.95	0.50	-0.47	-0.04													0.24	0.62
Anderson, Richard	0.83	0.13	-0.47	-0.04													0.11	0.54
Lowsky, John	0.83	-2.13	-0.72	-0.49													-0.63	1.21
Adams, Pat	-2.36	0.50	-0.47	-1.70													-1.01	1.28
Avis, Steve	0.19	0.50	-2.19	-0.96													-0.61	1.22
Ramirez, Robert	0.19	0.50	1.00	0.66													0.59	0.34
Seiz, Ray	0.19	-0.44	1.17	0.28													0.30	0.66
Yanchar, Paul	0.19	0.88	0.37	1.10													0.64	0.43
Pawczuk, Greg	0.19	1.26	-1.46	-0.91													-0.23	1.21
Rodriguez, Jesse	0.19	-0.25	0.16	0.25													0.09	0.23
Sanchez, Art	-1.09	0.13	-1.73	-1.92													-1.15	0.92
Hill, John	1.46	1.26	0.79	0.77													1.07	0.35
Yi MAXIMUM	-2.36	-2.51	-2.19	-1.92													-1.15	1.37
Yi MINIMUM	0.19	0.13	0.16	-0.04													0.09	0.23
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	9.79	7.47	8.12	8.51														
Ratings STD	0.08	0.27	0.48	0.45														

Light Duty Rating Workshop

PART ID = Induction/Combustion Combustion Chamber

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	8.47	8.52	8.58	8.44	8.61	8.39	8.43	8.55								
Radonich, Pete	8.80	8.85	8.88	8.70	8.70	8.60	8.65	8.80								
Tschirhart, Garland	8.70	8.50	8.60	8.50	8.30	8.30	8.30	8.30								
Kobrinetz, Jack	8.20	8.20	8.42	8.23	8.24	8.10	8.06	8.26								
Lopez, Frank	8.45	8.25	8.50	8.14	8.22	7.83	7.82	8.10								
Foecking, Brian	8.60	8.70	8.60	8.70	8.60	8.50	8.20	8.70								
Session, Gwen	8.50	7.90	8.30	7.50	7.30	7.70	7.00	8.60								
Anderson, Richard	8.50	7.90	8.30	7.50	7.30	7.20	7.00	8.50								
Pansza, Mike	8.80	8.60	8.60	8.70	8.50	8.60	8.70	8.80								
Lowsky, John	8.52	8.39	8.58	8.41	8.20	8.12	8.07	8.35								
Hill, John	8.78	9.05	8.99	8.56	8.69	8.46	8.42	8.63								
Adams, Pat	8.24	8.10	8.23	8.18	8.28	7.70	7.80	8.07								
Ramirez, Robert	8.51	8.40	8.33	8.25	8.22	8.10	7.91	8.12								
Rodriguez, Jesse	8.38	7.88	8.19	7.93	7.92	7.52	7.38	8.10								
Pawczuk, Greg	8.25	8.18	8.83	8.49	8.18	8.21	7.91	8.24								
Yanchar, Paul	8.85	8.56	8.70	8.65	7.90	7.80	7.90	8.50								
Seiz, Ray	8.74	8.85	8.62	8.78	8.30	8.50	8.20	8.25								
MAXIMUM	8.85	9.05	8.99	8.78	8.70	8.60	8.70	8.80								
MINIMUM	8.20	7.88	8.19	7.50	7.30	7.20	7.00	8.07								
RANGE (MAX-MIN)	0.65	1.17	0.80	1.28	1.40	1.40	1.70	0.73								
MEAN	8.55	8.40	8.54	8.33	8.20	8.10	7.99	8.40								
STD	0.21	0.35	0.23	0.39	0.41	0.41	0.50	0.25								



yi within 1 67.6%
 yi within 2 96.3%
 yi within 3 100.0%

PART ID = Induction/Combustion Combustion Chamber

Yi VALUES

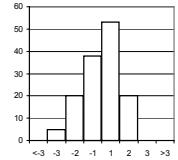
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	-0.37	0.34	0.16	0.27	0.98	0.71	0.90	0.59									0.45	0.44
Radonich, Pete	1.22	1.27	1.46	0.94	1.20	1.22	1.34	1.59									1.28	0.19
Tschirhart, Garland	0.74	0.28	0.24	0.43	0.23	0.50	0.63	-0.42									0.33	0.35
Kobrinetz, Jack	-1.67	-0.57	-0.54	-0.26	0.09	0.01	0.15	-0.58									-0.42	0.59
Lopez, Frank	-0.46	-0.43	-0.19	-0.49	0.04	-0.65	-0.33	-1.22									-0.47	0.37
Foecking, Brian	0.26	0.85	0.24	0.94	0.96	0.98	0.43	1.19									0.73	0.36
Session, Gwen	-0.22	-1.43	-1.06	-2.13	-2.19	-0.96	-1.99	0.79									-1.15	1.03
Anderson, Richard	-0.22	-1.43	-1.06	-2.13	-2.19	-2.17	-1.99	0.38									-1.35	0.98
Pansza, Mike	1.22	0.56	0.24	0.94	0.72	1.22	1.44	1.59									0.99	0.46
Lowsky, John	-0.13	-0.03	0.16	0.20	-0.01	0.06	0.17	-0.22									0.02	0.15
Hill, John	1.12	1.84	1.94	0.58	1.18	0.88	0.88	0.91									1.17	0.48
Adams, Pat	-1.48	-0.86	-1.37	-0.39	0.19	-0.96	-0.37	-1.34									-0.82	0.59
Ramirez, Robert	-0.18	-0.01	-0.93	-0.21	0.04	0.01	-0.15	-1.14									-0.32	0.45
Rodriguez, Jesse	-0.80	-1.48	-1.54	-1.03	-0.69	-1.40	-1.22	-1.22									-1.17	0.31
Pawczuk, Greg	-1.43	-0.63	1.25	0.40	-0.06	0.28	-0.15	-0.66									-0.13	0.81
Yanchar, Paul	1.46	0.45	0.68	0.81	-0.74	-0.72	-0.17	0.38									0.27	0.77
Seiz, Ray	0.93	1.27	0.33	1.14	0.23	0.98	0.43	-0.62									0.59	0.62
Yi MAXIMUM	-1.67	1.84	1.94	-2.13	-2.19	-2.17	-1.99	1.59									-1.35	1.03
Yi MINIMUM	-0.13	-0.01	0.16	0.20	-0.01	0.01	0.15	-0.22									0.02	0.15
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.55	8.40	8.54	8.33	8.20	8.10	7.99	8.40										
Ratings STD	0.21	0.35	0.23	0.39	0.41	0.41	0.50	0.25										

Light Duty Rating Workshop

PART ID = Induction/Combustion Intake Manifold Runner

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	7.45	7.91	7.26	7.90	7.96	7.96	8.02	8.00								
Radonich, Pete	8.10	8.00	8.20	8.30	8.30	8.30	8.20	8.10								
Tschirhart, Garland	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41								
Kobrinetz, Jack	7.60	7.55	7.26	7.58	7.79	7.94	8.12	7.96								
Lopez, Frank	6.00	6.15	6.50	6.50	6.50	6.50	6.67	6.50								
Foecking, Brian	7.40	7.20	7.00	7.30	7.60	7.70	7.50	7.40								
Sessions, Gwen	7.00	7.50	7.00	7.50	7.50	7.50	7.50	7.50								
Anderson, Richard	7.50	7.50	7.50	7.50	7.75	7.75	7.75	7.75								
Pansza, Mike	7.80	7.70	7.60	7.60	8.10	8.20	8.00	7.80								
Lowsky, John	7.24	8.13	7.94	8.02	7.98	8.13	8.02	7.90								
Hill, John	8.75	8.75	8.75	8.75	8.25	8.25	8.25	8.25								
Adams, Pat	5.71	6.60	7.40	7.60	7.50	7.50	7.90	7.90								
Ramirez, Robert	8.41	8.27	8.25	8.02	8.70	8.68	8.65	8.90								
Rodriguez, Jesse	6.80	6.70	6.70	6.80	6.90	6.80	6.80	6.80								
Pawczuk, Greg	7.48	7.08	7.37	7.62	7.90	8.40	8.15	7.70								
Yanchar, Paul	6.50	6.70	6.60	6.70	6.80	7.00	7.20	7.00								
Seiz, Ray	8.03	8.20	8.40	8.60	8.30	8.60	8.60	8.60								
MAXIMUM	8.75	8.75	8.75	8.75	8.70	8.68	8.65	8.90								
MINIMUM	5.71	6.15	6.50	6.50	6.50	6.50	6.67	6.50								
RANGE (MAX-MIN)	3.04	2.60	2.25	2.25	2.20	2.18	1.98	2.40								
MEAN	7.42	7.55	7.54	7.69	7.78	7.86	7.87	7.79								
STD	0.83	0.73	0.69	0.64	0.60	0.63	0.57	0.62								



PART ID = Induction/Combustion Intake Manifold Runner

Yi VALUES

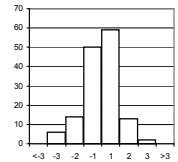
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	0.03	0.49	-0.40	0.33	0.30	0.16	0.27	0.33									0.19	0.28
Radonich, Pete	0.81	0.62	0.97	0.96	0.87	0.70	0.58	0.49									0.75	0.18
Tschirhart, Garland	1.18	1.18	1.27	1.13	1.05	0.87	0.95	0.99									1.08	0.14
Kobrinetz, Jack	0.21	0.00	-0.40	-0.17	0.02	0.13	0.44	0.27									0.06	0.27
Lopez, Frank	-1.71	-1.92	-1.51	-1.86	-2.13	-2.15	-2.10	-2.08									-1.93	0.23
Foecking, Brian	-0.03	-0.48	-0.78	-0.61	-0.30	-0.25	-0.64	-0.63									-0.47	0.25
Sessions, Gwen	-0.51	-0.07	-0.78	-0.29	-0.46	-0.57	-0.64	-0.47									-0.48	0.22
Anderson, Richard	0.09	-0.07	-0.05	-0.29	-0.05	-0.17	-0.21	-0.07									-0.10	0.12
Pansza, Mike	0.45	0.21	0.09	-0.14	0.54	0.54	0.23	0.01									0.24	0.25
Lowsky, John	-0.22	0.80	0.59	0.52	0.34	0.43	0.27	0.17									0.36	0.30
Hill, John	1.59	1.65	1.77	1.66	0.79	0.62	0.67	0.74									1.18	0.52
Adams, Pat	-2.05	-1.31	-0.20	-0.14	-0.46	-0.57	0.06	0.17									-0.56	0.76
Ramirez, Robert	1.18	0.99	1.04	0.52	1.54	1.30	1.37	1.78									1.21	0.38
Rodriguez, Jesse	-0.75	-1.17	-1.22	-1.39	-1.47	-1.68	-1.87	-1.60									-1.39	0.35
Pawczuk, Greg	0.07	-0.65	-0.24	-0.11	0.20	0.86	0.50	-0.15									0.06	0.46
Yanchar, Paul	-1.11	-1.17	-1.37	-1.54	-1.63	-1.36	-1.17	-1.27									-1.33	0.19
Seiz, Ray	0.73	0.89	1.26	1.43	0.87	1.17	1.28	1.30									1.12	0.25
Yi MAXIMUM	-2.05	-1.92	1.77	-1.86	-2.13	-2.15	-2.10	-2.08									-1.93	0.76
Yi MINIMUM	-0.03	0.00	-0.05	-0.11	0.02	0.13	0.06	0.01									0.06	0.12
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.42	7.55	7.54	7.69	7.78	7.86	7.87	7.79										
Ratings STD	0.83	0.73	0.69	0.64	0.60	0.63	0.57	0.62										

Light Duty Rating Workshop

PART ID = Induction/Combustion Piston Tops

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	8.02	9.03	7.78	9.34	9.16	9.03	7.94	9.20								
Radonich, Pete	8.30	9.15	8.20	9.40	9.37	9.15	8.40	9.25								
Tschirhart, Garland	8.40	9.30	8.40	9.50	9.45	9.18	8.22	9.18								
Kobrinetz, Jack	7.85	8.88	7.80	9.53	9.35	9.20	7.70	9.36								
Lopez, Frank	8.45	9.06	7.10	9.60	9.05	8.91	8.10	9.10								
Foecking, Brian	7.85	9.30	7.80	9.45	9.40	9.35	7.80	9.20								
Sessions, Gwen	7.80	9.35	7.90	9.50	9.20	9.00	8.00	9.60								
Anderson, Richard	7.80	9.35	7.90	9.50	9.25	9.00	8.00	9.60								
Pansza, Mike	8.20	8.90	8.10	9.30	9.20	8.80	8.00	8.70								
Lowsky, John	7.70	8.89	7.60	9.16	8.86	8.59	7.70	8.67								
Hill, John	8.87	9.28	8.76	9.50	9.65	9.26	8.78	9.45								
Adams, Pat	8.03	9.10	7.85	9.50	9.35	9.15	7.95	9.35								
Ramirez, Robert	8.39	9.08	8.40	9.42	9.19	9.06	9.20	8.25								
Seiz, Ray	7.76	8.47	7.10	9.33	9.19	8.74	6.89	9.01								
Rodriguez, Jesse	8.38	9.20	8.33	9.59	9.26	9.13	8.37	9.38								
Pawczuk, Greg	7.92	9.33	7.23	9.37	8.84	9.27	7.65	9.28								
Yanchar, Paul	7.80	9.25	7.50	9.45	9.35	9.20	7.40	9.30								
Sanchez, Art	7.90	9.32	8.35	9.42	9.44	9.40	8.28	9.60								
MAXIMUM	8.87	9.35	8.76	9.60	9.65	9.40	9.20	9.60								
MINIMUM	7.70	8.47	7.10	9.16	8.84	8.59	6.89	8.25								
RANGE (MAX-MIN)	1.17	0.88	1.66	0.44	0.81	0.81	2.31	1.35								
MEAN	8.08	9.12	7.89	9.44	9.25	9.08	8.02	9.19								
STD	0.32	0.23	0.47	0.11	0.20	0.21	0.51	0.35								



yi within 1 75.7%
 yi within 2 94.4%
 yi within 3 100.0%

PART ID = Induction/Combustion Piston Tops

Yi VALUES

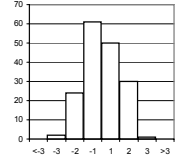
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	-0.18	-0.41	-0.24	-0.89	-0.47	-0.23	-0.16	0.02									-0.32	0.27
Radonich, Pete	0.69	0.11	0.65	-0.34	0.58	0.34	0.74	0.16									0.37	0.37
Tschirhart, Garland	1.00	0.76	1.07	0.58	0.98	0.48	0.39	-0.04									0.65	0.38
Kobrinetz, Jack	-0.71	-1.06	-0.20	0.86	0.48	0.57	-0.63	0.47									-0.03	0.72
Lopez, Frank	1.15	-0.28	-1.69	1.50	-1.01	-0.79	0.15	-0.26									-0.15	1.07
Foecking, Brian	-0.71	0.76	-0.20	0.12	0.73	1.27	-0.43	0.02									0.20	0.67
Sessions, Gwen	-0.87	0.98	0.01	0.58	-0.27	-0.37	-0.04	1.15									0.15	0.70
Anderson, Richard	-0.87	0.98	0.01	0.58	-0.02	-0.37	-0.04	1.15									0.18	0.68
Pansza, Mike	0.38	-0.98	0.44	-1.25	-0.27	-1.31	-0.04	-1.40									-0.55	0.77
Lowsky, John	-1.18	-1.02	-0.63	-2.54	-1.96	-2.29	-0.63	-1.48									-1.47	0.73
Hill, John	2.46	0.68	1.84	0.58	1.98	0.85	1.49	0.73									1.32	0.71
Adams, Pat	-0.15	-0.11	-0.09	0.58	0.48	0.34	-0.14	0.44									0.17	0.32
Ramirez, Robert	0.97	-0.19	1.07	-0.15	-0.32	-0.09	2.31	-2.67									0.12	1.45
Seiz, Ray	-0.99	-2.85	-1.69	-0.98	-0.32	-1.59	-2.22	-0.52									-1.39	0.86
Rodriguez, Jesse	0.93	0.33	0.92	1.41	0.03	0.24	0.68	0.53									0.64	0.45
Pawczuk, Greg	-0.49	0.89	-1.41	-0.61	-2.06	0.87	-0.73	0.25									-0.41	1.05
Yanchar, Paul	-0.87	0.55	-0.84	0.12	0.48	0.57	-1.22	0.30									-0.11	0.74
Sanchez, Art	-0.56	0.85	0.97	-0.15	0.93	1.51	0.51	1.15									0.65	0.69
Yi MAXIMUM	2.46	-2.85	1.84	-2.54	-2.06	-2.29	2.31	-2.67									-1.47	1.45
Yi MINIMUM	-0.15	-0.11	0.01	0.12	-0.02	-0.09	-0.04	0.02									-0.03	0.27
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.08	9.12	7.89	9.44	9.25	9.08	8.02	9.19										
Ratings STD	0.32	0.23	0.47	0.11	0.20	0.21	0.51	0.35										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves F1-F8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	8.2	7.2	6.9	7.5	8.6	6.8	6.9	7.2								
Castillo, George	7.9	7.0	6.5	7.4	8.5	6.7	6.5	6.9								
Lopez, Frank	7.7	7.4	7.4	7.8	8.0	6.5	6.5	6.7								
Garcia, Orlando	7.8	7.2	6.5	8.2	8.7	6.7	6.6	7.0								
Radonich, Pete	8.5	7.3	6.7	7.8	8.8	7.1	6.8	7.6								
Tschirhart, Garland	7.4	6.7	6.2	7.4	8.9	6.5	6.0	7.0								
Kobrinetz, Jack	8.6	7.3	6.7	7.9	9.0	7.0	7.0	7.9								
Sessions, Gwen	8.0	7.8	6.5	7.5	8.6	6.5	6.9	7.5								
Anderson, Richard	8.0	7.3	6.5	7.8	8.5	6.8	6.5	7.3								
Pansza, Mike	8.4	7.8	7.2	7.9	8.7	7.2	7.1	7.4								
Lowsky, John	8.5	6.9	7.0	7.5	9.3	6.3	6.5	7.2								
Hill, John	8.0	7.5	6.5	7.5	9.0	6.3	6.3	6.8								
Yanchar, Paul	8.7	7.5	6.8	8.1	9.2	6.2	6.3	7.0								
Adams, Pat	7.9	7.4	6.8	7.2	8.0	7.4	7.0	7.2								
Ramirez, Robert	8.1	7.4	7.0	8.2	8.3	6.9	7.1	7.7								
Avis, Steve	8.1	6.6	6.0	7.6	9.4	6.4	6.3	7.7								
Seiz, Ray	8.7	7.1	6.8	7.5	8.9	6.5	6.4	6.9								
Pawczuk, Greg	7.6	7.3	7.0	7.2	7.9	7.2	7.2	7.5								
Rodriguez, Jesse	7.8	7.3	7.4	7.6	8.0	7.0	7.3	7.3								
Greenland, Paul	7.9	7.5	7.1	8.3	8.6	6.8	7.3	7.6								
Sanchez, Art	8.5	7.5	7.4	7.8	9.0	7.2	7.4	8.2								
MAXIMUM	8.7	7.8	7.4	8.3	9.4	7.4	7.4	8.2								
MINIMUM	7.4	6.6	6.0	7.2	7.9	6.2	6.0	6.7								
RANGE (MAX-MIN)	1.3	1.2	1.4	1.1	1.5	1.2	1.4	1.5								
MEAN	8.11	7.28	6.80	7.70	8.66	6.75	6.76	7.31								
STD	0.37	0.31	0.38	0.32	0.44	0.35	0.40	0.39								



PART ID = Induction/Combustion Valves F1-F8

Yi VALUES

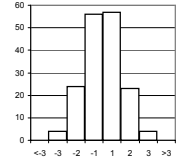
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	0.25	-0.27	0.25	-0.62	-0.14	0.13	0.36	-0.28									-0.04	0.34
Castillo, George	-0.56	-0.92	-0.80	-0.93	-0.37	-0.16	-0.64	-1.06									-0.68	0.31
Lopez, Frank	-1.10	0.38	1.56	0.32	-1.52	-0.72	-0.64	-1.57									-0.41	1.08
Garcia, Orlando	-0.83	-0.27	-0.80	1.58	0.09	-0.16	-0.39	-0.80									-0.20	0.79
Radonich, Pete	1.05	0.06	-0.27	0.32	0.32	0.98	0.11	0.75									0.41	0.47
Tschirhart, Garland	-1.90	-1.90	-1.58	-0.93	0.55	-0.72	-1.89	-0.80									-1.15	0.85
Kobrinetz, Jack	1.32	0.06	-0.27	0.64	0.78	0.70	0.61	1.52									0.67	0.59
Sessions, Gwen	-0.29	1.69	-0.80	-0.62	-0.14	-0.72	0.36	0.49									0.00	0.83
Anderson, Richard	-0.29	-0.11	-0.80	0.17	-0.37	-0.01	-0.64	-0.15									-0.28	0.32
Pansza, Mike	0.78	1.69	1.03	0.64	0.09	1.27	0.86	0.23									0.82	0.52
Lowsky, John	1.05	-1.25	0.51	-0.62	1.35	-1.44	-0.64	-0.41									-0.18	1.04
Hill, John	-0.29	0.71	-0.80	-0.62	0.78	-1.29	-1.14	-1.31									-0.50	0.84
Yanchar, Paul	1.59	0.71	-0.01	1.26	1.23	-1.58	-1.14	-0.80									0.16	1.22
Adams, Pat	-0.56	0.38	-0.01	-1.56	-1.52	1.83	0.61	-0.28									-0.14	1.12
Ramirez, Robert	-0.02	0.38	0.51	1.58	-0.83	0.41	0.86	1.01									0.49	0.72
Avis, Steve	-0.08	-2.29	-2.10	-0.37	1.78	-1.15	-1.14	1.01									-0.54	1.43
Seiz, Ray	1.59	-0.60	-0.01	-0.62	0.55	-0.72	-0.89	-1.06									-0.22	0.89
Pawczuk, Greg	-1.36	0.06	0.51	-1.56	-1.74	1.27	1.11	0.49									-0.15	1.22
Rodriguez, Jesse	-0.83	0.06	1.56	-0.30	-1.52	0.70	1.35	-0.02									0.12	1.05
Greenland, Paul	-0.56	0.71	0.77	1.89	-0.14	0.13	1.35	0.75									0.61	0.79
Sanchez, Art	1.05	0.71	1.56	0.32	0.78	1.27	1.60	2.30									1.20	0.62
Yi MAXIMUM	-1.90	-2.29	-2.10	1.89	1.78	1.83	-1.89	2.30									1.20	1.43
Yi MINIMUM	-0.02	0.06	-0.01	0.17	0.09	-0.01	0.11	-0.02									0.00	0.31
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.11	7.28	6.80	7.70	8.66	6.75	6.76	7.31										
Ratings STD	0.37	0.31	0.38	0.32	0.44	0.35	0.40	0.39										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves G1-G8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	7.8	6.8	6.9	6.8	7.2	7.1	7.0	7.0								
Castillo, George	7.0	6.5	6.7	6.4	7.1	7.0	6.9	7.0								
Lopez, Frank	7.4	6.5	6.4	6.4	7.2	7.2	6.7	6.7								
Garcia, Orlando	7.3	6.4	6.8	6.6	7.6	7.4	6.9	7.1								
Radonich, Pete	7.2	6.5	6.5	6.4	7.2	7.1	6.8	6.7								
Tschirhart, Garland	6.8	6.0	6.0	6.0	6.5	6.1	6.0	6.1								
Kobrinetz, Jack	7.5	7.0	7.0	6.9	7.8	7.7	7.1	7.1								
Sessions, Gwen	7.8	6.7	7.0	6.8	7.9	7.7	7.5	7.3								
Anderson, Richard	7.3	6.5	6.5	6.5	7.3	7.0	6.8	6.8								
Pansza, Mike	7.0	6.6	6.8	6.4	7.2	7.1	6.6	7.0								
Lowsky, John	7.0	6.2	6.9	6.3	7.2	6.9	6.8	6.9								
Hill, John	7.5	6.0	6.3	6.5	7.3	7.5	6.3	7.0								
Yanchar, Paul	6.9	6.2	6.6	6.0	7.0	7.1	6.0	6.4								
Adams, Pat	7.2	7.0	7.0	6.9	7.0	7.0	6.8	7.0								
Ramirez, Robert	7.9	6.8	7.0	7.0	7.4	7.8	7.2	7.3								
Avis, Steve	7.0	6.2	6.4	6.2	7.0	7.2	6.3	6.4								
Seiz, Ray	8.4	7.6	6.5	6.3	6.8	6.8	6.2	6.0								
Pawczuk, Greg	7.5	7.2	7.2	6.8	7.6	7.5	7.0	7.1								
Rodriguez, Jesse	7.1	7.0	7.0	7.1	7.3	7.3	6.9	7.0								
Greenland, Paul	7.6	7.0	7.2	7.2	7.5	7.6	7.3	7.1								
Sanchez, Art	7.5	7.4	7.6	7.2	7.6	7.7	7.6	7.8								
MAXIMUM	8.4	7.6	7.6	7.2	7.9	7.8	7.6	7.8								
MINIMUM	6.8	6.0	6.0	6.0	6.5	6.1	6.0	6.0								
RANGE (MAX-MIN)	1.6	1.6	1.6	1.2	1.4	1.7	1.6	1.8								
MEAN	7.36	6.67	6.77	6.60	7.27	7.23	6.79	6.89								
STD	0.39	0.44	0.37	0.37	0.33	0.39	0.44	0.42								



yi within 1 67%
 yi within 2 95%
 yi within 3 100%

PART ID = Induction/Combustion Valves G1-G8

Yi VALUES

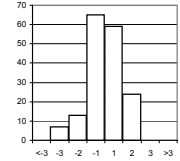
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	1.11	0.29	0.35	0.54	-0.20	-0.33	0.47	0.27									0.31	0.45
Castillo, George	-0.92	-0.38	-0.19	-0.54	-0.51	-0.58	0.25	0.27									-0.33	0.41
Lopez, Frank	0.10	-0.38	-1.01	-0.54	-0.20	-0.07	-0.20	-0.45									-0.35	0.34
Garcia, Orlando	-0.16	-0.61	0.08	0.00	1.01	0.44	0.25	0.51									0.19	0.48
Radonich, Pete	-0.41	-0.38	-0.73	-0.54	-0.20	-0.33	0.02	-0.45									-0.38	0.22
Tschirhart, Garland	-1.42	-1.51	-2.09	-1.62	-2.33	-2.87	-1.78	-1.90									-1.94	0.48
Kobrinetz, Jack	0.35	0.74	0.62	0.81	1.62	1.20	0.70	0.51									0.82	0.41
Sessions, Gwen	1.11	0.07	0.62	0.54	1.92	1.20	1.60	0.99									1.01	0.60
Anderson, Richard	-0.28	-0.38	-0.73	-0.27	-0.05	-0.58	-0.09	-0.33									-0.34	0.23
Pansza, Mike	-0.92	-0.16	0.08	-0.54	-0.20	-0.33	-0.43	0.27									-0.28	0.37
Lowsky, John	-0.92	-1.17	0.21	-0.94	-0.35	-0.83	-0.09	-0.09									-0.52	0.51
Hill, John	0.35	-1.51	-1.28	-0.27	0.10	0.69	-1.11	0.27									-0.34	0.84
Yanchar, Paul	-1.17	-1.06	-0.46	-1.62	-0.81	-0.33	-1.78	-1.17									-1.05	0.51
Adams, Pat	-0.41	0.74	0.62	0.81	-0.81	-0.58	0.02	0.27									0.08	0.63
Ramirez, Robert	1.36	0.29	0.62	1.08	0.40	1.45	0.92	0.99									0.89	0.42
Avis, Steve	-1.04	-1.06	-1.14	-1.21	-0.81	-0.07	-1.11	-1.29									-0.97	0.39
Seiz, Ray	2.63	2.09	-0.73	-0.81	-1.42	-1.09	-1.33	-2.14									-0.35	1.73
Pawczuk, Greg	0.35	1.19	1.16	0.54	1.01	0.69	0.47	0.51									0.74	0.33
Rodriguez, Jesse	-0.66	0.74	0.62	1.35	0.10	0.18	0.25	0.27									0.36	0.58
Greenland, Paul	0.60	0.74	1.16	1.62	0.71	0.94	1.15	0.51									0.93	0.37
Sanchez, Art	0.35	1.64	2.24	1.62	1.01	1.20	1.83	2.19									1.51	0.64
Yi MAXIMUM	2.63	2.09	2.24	1.62	-2.33	-2.87	1.83	2.19									-1.94	1.73
Yi MINIMUM	0.10	0.07	0.08	-0.54	-0.05	-0.07	0.02	-0.09									0.08	0.22
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.36	6.67	6.77	6.60	7.27	7.23	6.79	6.89										
Ratings STD	0.39	0.44	0.37	0.37	0.33	0.39	0.44	0.42										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves H1-H8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	8.7	8.8	8.8	8.9	8.3	8.4	9.7	8.4								
Castillo, George	9.1	8.9	9.5	9.0	9.0	8.9	9.8	8.7								
Lopez, Frank	9.4	8.0	9.4	8.0	9.1	8.0	9.8	8.0								
Garcia, Orlando	9.6	8.8	9.7	9.0	9.4	8.6	9.8	8.4								
Radonich, Pete	9.4	8.0	9.4	8.5	9.3	8.3	9.9	8.2								
Tschirhart, Garland	9.6	8.5	9.6	8.5	9.3	8.2	9.9	8.2								
Kobrinetz, Jack	9.3	8.2	9.3	8.3	9.1	8.4	9.9	8.2								
Sessions, Gwen	9.6	8.5	9.4	7.5	9.5	7.8	9.8	7.7								
Anderson, Richard	9.3	8.5	9.4	8.5	9.0	8.5	9.8	8.3								
Pansza, Mike	9.3	8.8	9.2	8.7	8.8	8.9	9.6	8.8								
Lowsky, John	9.7	9.5	9.8	9.3	9.7	9.5	9.9	9.5								
Hill, John	9.3	8.3	9.3	8.5	9.0	9.0	9.9	9.0								
Yanchar, Paul	9.4	8.9	9.6	9.2	9.3	9.1	9.9	8.9								
Adams, Pat	9.2	8.8	9.5	8.8	9.2	8.5	9.7	8.3								
Ramirez, Robert	8.7	8.2	8.7	8.4	8.8	8.3	9.5	8.2								
Avis, Steve	9.5	9.3	9.7	9.3	9.6	9.2	9.9	9.4								
Seiz, Ray	9.5	9.4	9.6	9.6	9.6	9.6	9.8	9.6								
Pawczuk, Greg	9.3	8.3	9.2	8.3	9.3	8.4	9.7	8.3								
Rodriguez, Jesse	9.5	8.6	9.6	8.7	9.3	9.0	9.9	9.0								
Greenland, Paul	9.2	8.8	9.3	8.9	9.1	8.8	9.8	8.5								
Sanchez, Art	9.5	9.0	9.5	8.8	9.2	8.8	9.8	8.8								
MAXIMUM	9.7	9.5	9.8	9.6	9.7	9.6	9.9	9.6								
MINIMUM	8.7	8.0	8.7	7.5	8.3	7.8	9.5	7.7								
RANGE (MAX-MIN)	1.0	1.5	1.1	2.1	1.4	1.8	0.4	1.9								
MEAN	9.34	8.67	9.40	8.70	9.18	8.68	9.80	8.59								
STD	0.26	0.43	0.27	0.47	0.31	0.47	0.11	0.51								



yi within 1 74%
 yi within 2 96%
 yi within 3 100%

PART ID = Induction/Combustion Valves H1-H8

Yi VALUES

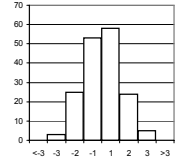
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	-2.44	0.30	-2.22	0.43	-2.81	-0.59	-0.91	-0.37									-1.08	1.26
Castillo, George	-0.91	0.54	0.35	0.64	-0.58	0.48	0.00	0.22									0.09	0.56
Lopez, Frank	0.24	-1.58	-0.02	-1.47	-0.27	-1.45	0.00	-1.16									-0.71	0.77
Garcia, Orlando	1.00	0.30	1.08	0.64	0.69	-0.16	0.00	-0.37									0.40	0.54
Radonich, Pete	0.24	-1.58	-0.02	-0.42	0.37	-0.81	0.91	-0.76									-0.26	0.79
Tschirhart, Garland	1.00	-0.40	0.72	-0.42	0.37	-1.02	0.91	-0.76									0.05	0.80
Kobrinetz, Jack	-0.15	-1.11	-0.38	-0.84	-0.27	-0.59	0.91	-0.76									-0.40	0.62
Sessions, Gwen	1.00	-0.40	-0.02	-2.52	1.01	-1.88	0.00	-1.75									-0.57	1.34
Anderson, Richard	-0.15	-0.40	-0.02	-0.42	-0.58	-0.38	0.00	-0.67									-0.33	0.25
Pansza, Mike	-0.15	0.30	-0.75	0.01	-1.22	0.48	-1.83	0.42									-0.34	0.84
Lowsky, John	1.38	1.95	1.45	1.16	1.48	1.76	0.91	1.80									1.49	0.34
Hill, John	-0.15	-0.87	-0.38	-0.42	-0.58	0.69	0.91	0.81									0.00	0.70
Yanchar, Paul	0.24	0.54	0.72	1.06	0.37	0.91	0.91	0.61									0.67	0.28
Adams, Pat	-0.53	0.30	0.35	0.22	0.05	-0.38	-0.91	-0.57									-0.18	0.47
Ramirez, Robert	-2.44	-1.11	-2.58	-0.63	-1.22	-0.81	-2.74	-0.76									-1.54	0.89
Avis, Steve	0.62	1.48	1.08	1.27	1.33	1.12	0.91	1.60									1.18	0.31
Seiz, Ray	0.62	1.71	0.72	1.90	1.33	1.98	0.00	1.99									1.28	0.75
Pawczuk, Greg	-0.15	-0.87	-0.75	-0.84	0.37	-0.59	-0.91	-0.57									-0.54	0.44
Rodriguez, Jesse	0.62	-0.17	0.72	0.01	0.37	0.69	0.91	0.81									0.50	0.39
Greenland, Paul	-0.53	0.30	-0.38	0.43	-0.27	0.27	0.00	-0.17									-0.04	0.35
Sanchez, Art	0.62	0.77	0.35	0.22	0.05	0.27	0.00	0.42									0.34	0.26
Yi MAXIMUM	-2.44	1.95	-2.58	-2.52	-2.81	1.98	-2.74	1.99									-1.54	1.34
Yi MINIMUM	-0.15	-0.17	-0.02	0.01	0.05	-0.16	0.00	-0.17									0.00	0.25
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	9.34	8.67	9.40	8.70	9.18	8.68	9.80	8.59										
Ratings STD	0.26	0.43	0.27	0.47	0.31	0.47	0.11	0.51										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves I1-I8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	7.2	7.8	6.5	7.7	6.8	8.8	7.8	6.9								
Castillo, George	8.0	8.4	6.3	8.5	7.2	9.8	8.8	7.5								
Lopez, Frank	7.4	7.6	6.4	7.7	6.5	8.1	7.7	7.5								
Garcia, Orlando	7.3	7.7	5.8	8.2	7.2	9.0	7.9	7.1								
Radonich, Pete	7.9	8.9	6.7	8.0	7.2	9.0	8.3	7.3								
Tschirhart, Garland	7.0	7.7	6.0	8.2	6.1	9.7	8.5	6.0								
Kobrinetz, Jack	8.5	8.9	7.0	8.6	7.4	9.6	8.7	7.6								
Sessions, Gwen	8.0	8.5	6.5	9.5	7.7	9.0	8.0	7.5								
Anderson, Richard	7.8	8.5	6.3	8.0	7.0	9.0	8.3	7.3								
Pansza, Mike	7.9	8.6	6.8	7.9	7.2	9.3	8.3	7.8								
Lowsky, John	9.0	9.5	7.5	9.3	8.0	9.9	9.3	8.1								
Hill, John	8.2	8.5	6.8	8.9	7.0	9.9	8.6	7.5								
Yanchar, Paul	8.0	8.7	5.8	8.8	6.3	9.8	8.4	6.8								
Adams, Pat	7.3	8.0	6.2	7.9	7.1	8.5	7.8	7.0								
Ramirez, Robert	7.4	7.6	6.8	7.9	7.5	8.3	8.4	7.7								
Avis, Steve	8.8	8.3	7.3	8.5	7.1	9.5	8.8	7.3								
Seiz, Ray	8.3	8.5	5.6	7.8	6.8	9.4	8.9	8.1								
Pawczuk, Greg	8.4	8.9	6.8	7.8	7.3	9.0	8.3	7.5								
Rodriguez, Jesse	8.2	9.0	6.5	8.4	7.2	9.9	8.7	7.5								
Greenland, Paul	7.9	7.8	6.3	7.9	7.2	9.2	8.0	7.6								
Sanchez, Art	7.4	7.8	7.0	7.8	7.6	9.8	7.8	7.2								
MAXIMUM	9.0	9.5	7.5	9.5	8.0	9.9	9.3	8.1								
MINIMUM	7.0	7.6	5.6	7.7	6.1	8.1	7.7	6.0								
RANGE (MAX-MIN)	2.0	1.9	1.9	1.8	1.9	1.8	1.6	2.1								
MEAN	7.90	8.34	6.52	8.25	7.11	9.26	8.34	7.37								
STD	0.54	0.54	0.49	0.52	0.45	0.54	0.43	0.46								



PART ID = Induction/Combustion Valves I1-I8

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	-1.29	-1.00	-0.03	-1.06	-0.71	-0.85	-1.27	-1.02									-0.90	0.40
Castillo, George	0.20	0.10	-0.44	0.48	0.19	1.01	1.06	0.28									0.36	0.49
Lopez, Frank	-0.92	-1.37	-0.24	-1.06	-1.38	-2.16	-1.51	0.28									-1.04	0.76
Garcia, Orlando	-1.11	-1.18	-1.46	-0.10	0.19	-0.48	-1.04	-0.58									-0.72	0.57
Radonich, Pete	0.01	1.02	0.37	-0.48	0.19	-0.48	-0.10	-0.15									0.05	0.49
Tschirhart, Garland	-1.67	-1.18	-1.05	-0.10	-2.28	0.82	0.36	-2.97									-1.01	1.31
Kobrinetz, Jack	1.13	1.02	0.98	0.67	0.64	0.64	0.83	0.50									0.80	0.22
Sessions, Gwen	0.20	0.29	-0.03	2.40	1.32	-0.48	-0.80	0.28									0.40	1.02
Anderson, Richard	-0.27	0.29	-0.54	-0.48	-0.26	-0.48	-0.22	-0.26									-0.28	0.26
Pansza, Mike	0.01	0.47	0.58	-0.67	0.19	0.08	-0.10	0.93									0.19	0.49
Lowsky, John	2.06	2.12	2.00	1.92	1.99	1.10	2.12	1.59									1.86	0.35
Hill, John	0.47	0.29	0.58	1.29	-0.26	1.10	0.67	0.28									0.55	0.49
Yanchar, Paul	0.20	0.65	-1.46	1.06	-1.83	1.01	0.13	-1.23									-0.18	1.16
Adams, Pat	-1.11	-0.63	-0.65	-0.67	-0.03	-1.41	-1.27	-0.80									-0.82	0.44
Ramirez, Robert	-0.92	-1.37	0.58	-0.67	0.87	-1.78	0.13	0.72									-0.31	1.01
Avis, Steve	1.69	-0.04	1.60	0.44	-0.03	0.45	1.06	-0.15									0.63	0.74
Seiz, Ray	0.75	0.29	-1.87	-0.87	-0.71	0.27	1.30	1.59									0.09	1.17
Pawczuk, Greg	0.94	1.02	0.58	-0.87	0.42	-0.48	-0.10	0.28									0.22	0.67
Rodriguez, Jesse	0.57	1.21	-0.03	0.29	0.19	1.20	0.83	0.28									0.57	0.47
Greenland, Paul	0.01	-1.00	-0.44	-0.67	0.19	-0.11	-0.80	0.50									-0.29	0.52
Sanchez, Art	-0.92	-1.00	0.98	-0.87	1.09	1.01	-1.27	-0.37									-0.17	1.02
Yi MAXIMUM	2.06	2.12	2.00	2.40	-2.28	-2.16	2.12	-2.97									1.86	1.31
Yi MINIMUM	0.01	-0.04	-0.03	-0.10	-0.03	0.08	-0.10	-0.15									0.05	0.22
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.90	8.34	6.52	8.25	7.11	9.26	8.34	7.37										
Ratings STD	0.54	0.54	0.49	0.52	0.45	0.54	0.43	0.46										

April 10-21, 2005

Light Duty Rating Workshop (Sequence III)

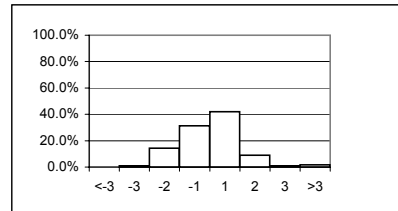
Rater = Cales, Jonathon

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under- crown	Thrust	Anti- thrust					Average Skirt	UWPD	WPD	MEAN	STD
Seq_III_Calibration_C1	0.85	0.57	0.81	-1.07	-0.19	-0.39	1.04	0.70					0.99	0.59	0.13	0.37	0.67
Seq_III_Calibration_C2	1.84	-0.35	-1.26	0.21	0.06	-0.34	0.69	0.40					0.69	0.06	-0.35	0.15	0.79
Seq_III_Piston_A1	0.42	-0.42	-0.01	-0.19	-0.62	-0.30	0.91	0.94					1.16	0.46	-0.14	0.20	0.61
Seq_III_Piston_A2	-0.06	0.13	-1.26	-0.07	-0.91	0.84	0.96	0.21					0.72	-0.05	-0.74	-0.02	0.72
Seq_III_Piston_A3	-0.57	-0.28	-1.73	-0.25	0.47	-0.23	0.21	-1.75					0.02	-0.79	-0.73	-0.51	0.72
Seq_III_Piston_A4	1.54	1.06	-0.43	-0.95	-1.07	-0.35	-0.06	0.38					0.11	-0.31	-0.85	-0.08	0.82
Seq_III_Piston_A5	0.30	0.84	-0.22	-1.05	-0.74	-0.82	0.06	0.80					0.32	-0.70	-0.92	-0.19	0.70
Seq_III_Piston_A6	0.35	3.04	-0.32	0.41	2.30	-0.17	0.17	0.70					0.36	0.67	0.85	0.76	1.02
Seq_III_Piston_B1	0.28	3.55	-1.31	-2.51	1.83	-0.07	0.47	0.18					0.49	0.19	0.44	0.32	1.54
Seq_III_Piston_B2	-1.73	0.26	-0.39	0.50	0.62	-1.03	0.59	0.46					0.64	0.14	0.06	0.01	0.77
Seq_III_Piston_B3	1.51	1.94	-1.90	0.73	1.34	0.56	-0.08	-1.05					-0.34	0.69	0.66	0.37	1.14
Seq_III_Piston_B4	-0.42	-1.30	0.64	-0.75	0.47	-0.39	0.92	0.97					1.30	0.40	0.37	0.20	0.81
Seq_III_Piston_B5	-0.50	0.47	-1.16	-1.63	0.10	0.19	-0.04	1.53					0.50	-0.29	-0.61	-0.13	0.86
Seq_III_Piston_B6	0.16	0.23	-1.25	-0.09	0.78	-0.48	1.06	0.71					1.11	-0.17	-0.70	0.12	0.76
YI MAXIMUM	1.84	3.55	-1.90	-2.51	2.30	-1.03	1.06	-1.75					1.30	-0.79	-0.92	0.76	1.54
YI MINIMUM	-0.06	0.13	-0.01	-0.07	0.06	-0.07	-0.04	0.18					0.02	-0.05	0.06	0.01	0.61
YI MEAN	0.28	0.70	-0.70	-0.48	0.32	-0.21	0.49	0.37					0.58	0.07	-0.18		
YI STD	0.96	1.34	0.84	0.90	1.02	0.49	0.44	0.84					0.47	0.48	0.60		

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	1	0.9%	-1 < yi ≤ 1	73.2%
-2 lt yi le -1	16	14.3%	-2 < yi ≤ 2	96.4%
-1 lt yi le 0	35	31.3%	-3 < yi ≤ 3	98.2%
0 lt yi le 1	47	42.0%	>3	1.8%
1 lt yi le 2	10	8.9%		
2 lt yi le 3	1	0.9%	Overall Yi STD	0.98
3 lt yi	2	1.8%		
total	112	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop (Sequence III)

Yi VALUES

Yi distribution (excluding shaded columns)

A histogram showing the distribution of the number of children per family. The x-axis categories are <-3, -2, -1, 1, 2, 3, and >3. The y-axis represents percentages from 0.0% to 100.0% in increments of 20.0%. The distribution is centered at -1, which has the highest frequency at approximately 38%.

Number of Children	Percentage
<-3	~5%
-2	~15%
-1	~38%
1	~18%
2	~8%
3	~0%
>3	~0%

11:51 AM 4/28/2005

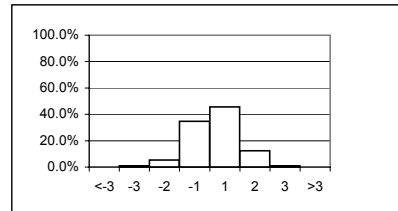
Light Duty Rating Workshop (Sequence III)

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under- crown	Thrust	Anti- thrust						Average Skirt	UWPD	WPD	MEAN	STD
Seq III Calibration C1	-0.57	-0.16	0.38	-0.82	-0.43	-0.42	0.00	1.49						0.50	-0.24	-0.47	-0.07	0.65
Seq III Calibration C2	-0.77	-0.23	0.08	-0.71	0.99	0.41	0.22	0.40						0.26	0.13	0.42	0.11	0.51
Seq III Piston A1	0.36	0.56	0.38	-0.72	1.28	-0.91	-0.29	1.25						0.34	0.22	0.38	0.26	0.69
Seq III Piston A2	-0.06	0.00	0.93	0.12	0.27	-1.50	1.77	0.60						1.44	0.66	0.48	0.43	0.86
Seq III Piston A3	0.82	0.05	1.21	0.50	0.23	0.01	0.91	1.23						0.73	1.08	1.40	0.74	0.49
Seq III Piston A4	0.23	-1.04	1.74	-1.73	0.52	-1.15	1.70	0.47						1.41	-0.19	0.04	0.18	1.16
Seq III Piston A5	0.69	-0.28	0.95	-0.93	-1.10	-0.39	-0.04	0.75						0.29	-0.22	-0.40	-0.06	0.67
Seq III Piston A6	0.35	-0.23	0.97	-0.73	0.10	0.15	0.42	0.99						0.67	1.04	0.94	0.42	0.57
Seq III Piston B1	0.28	0.36	2.01	-0.94	-0.37	-1.43	1.81	0.83						1.94	1.48	0.85	0.62	1.17
Seq III Piston B2	0.39	0.26	0.27	-0.46	-0.37	-0.63	0.77	1.06						0.92	0.42	0.03	0.24	0.56
Seq III Piston B3	0.36	-1.00	1.55	-0.60	-0.67	-0.30	0.57	1.91						1.00	0.44	0.08	0.30	0.93
Seq III Piston B4	0.67	-0.68	0.35	-0.58	0.18	-0.19	-0.13	0.86						0.20	0.07	0.12	0.08	0.47
Seq III Piston B5	-0.76	0.03	-0.11	0.25	-0.73	-0.25	0.26	2.00						0.93	0.08	-0.38	0.12	0.79
Seq III Piston B6	0.16	0.23	0.10	-2.31	-0.47	-0.24	0.79	1.17						0.99	0.14	-0.19	0.04	0.93
YI MAXIMUM	0.82	-1.04	2.01	-2.31	1.28	-1.50	1.81	2.00						1.94	1.48	1.40	0.74	1.17
YI MINIMUM	-0.06	0.00	0.08	0.12	0.10	0.01	0.00	0.40						0.20	0.07	0.03	0.04	0.47
YI MEAN	0.15	-0.15	0.77	-0.69	-0.04	-0.49	0.63	1.07						0.83	0.37	0.24		
YI STD	0.52	0.48	0.67	0.73	0.67	0.57	0.71	0.48						0.51	0.53	0.55		

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	1	0.9%	-1 < yi ≤ 1	80.4%
-2 lt yi le -1	6	5.4%	-2 < yi ≤ 2	98.2%
-1 lt yi le 0	39	34.8%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	51	45.5%	>3	0.0%
1 lt yi le 2	14	12.5%		
2 lt yi le 3	1	0.9%	Overall Yi STD	0.83
3 lt yi	0	0.0%		
total	112	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



Group: Red

April 10-21, 2005

Light Duty Rating Workshop (Sequence III)

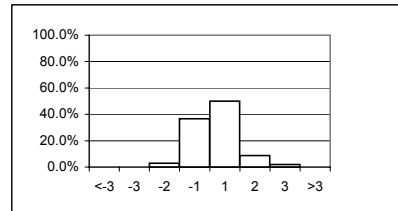
Rater = Kobrinetz, Jack

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under- crown	Thrust	Anti- thrust						Average Skirt	UWPD	WPD	MEAN	STD
Seq III Calibration C1	1.18	-0.20	0.17	0.30	-0.28	-0.73	1.44	0.54						1.23	0.40	-0.16	0.35	0.70
Seq III Calibration C2																		
Seq III Piston A1	0.80	0.56	2.36	-0.64	0.06	-0.59	0.38	0.42						0.50	1.21	1.24	0.57	0.85
Seq III Piston A2	-0.06	-0.02	0.83	-0.44	1.05	-0.71	0.94	0.03						0.62	0.52	0.73	0.32	0.59
Seq III Piston A3	0.88	-0.16	1.50	-0.68	-1.13	-0.27	0.86	0.48						0.60	0.24	-0.24	0.19	0.77
Seq III Piston A4	0.39	-0.27	0.16	-0.52	0.58	0.90	0.34	0.16						0.31	0.65	0.62	0.30	0.41
Seq III Piston A5	0.95	0.12	0.77	-0.21	0.15	-0.22	0.28	0.62						0.37	0.54	0.64	0.36	0.38
Seq III Piston A6	0.35	-0.37	0.27	-0.35	-0.26	0.30	0.10	0.65						0.29	0.44	0.26	0.15	0.34
Seq III Piston B1	0.28	0.16	0.96	0.37	1.16	-1.15	0.17	0.05						0.17	0.95	1.70	0.44	0.75
Seq III Piston B2	0.39	0.26	-1.11	-0.06	-0.04	-0.24	0.37	-0.14						0.33	-0.20	-0.51	-0.09	0.45
Seq III Piston B3	0.64	-0.18	0.57	-0.16	-0.62	0.05	0.43	-0.22						0.32	0.22	-0.10	0.09	0.38
Seq III Piston B4	1.76	-0.32	-0.04	-0.11	-0.21	1.31	-0.08	0.74						0.20	0.61	0.26	0.37	0.67
Seq III Piston B5	0.27	0.32	2.15	-0.44	-0.76	0.67	-0.74	1.21						-0.24	0.70	0.62	0.34	0.88
Seq III Piston B6	1.21	0.23	0.91	0.04	-0.47	0.64	-0.23	-0.06						-0.22	0.60	0.85	0.32	0.55
YI MAXIMUM	1.76	0.56	2.36	-0.68	1.16	1.31	1.44	1.21						1.23	1.21	1.70	0.57	0.88
YI MINIMUM	-0.06	-0.02	-0.04	0.04	-0.04	0.05	-0.08	0.03						0.17	-0.20	-0.10	-0.09	0.34
YI MEAN	0.70	0.01	0.73	-0.22	-0.06	0.00	0.33	0.34						0.35	0.53	0.45		
YI STD	0.50	0.29	0.92	0.33	0.67	0.73	0.55	0.42						0.37	0.34	0.62		

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	86.5%
-2 lt yi le -1	3	2.9%	-2 < yi ≤ 2	98.1%
-1 lt yi le 0	38	36.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	52	50.0%	>3	0.0%
1 lt yi le 2	9	8.7%		
2 lt yi le 3	2	1.9%	Overall Yi STD	0.66
3 lt yi	0	0.0%		
total	104	100.0%	Parts Rated	13

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence III)

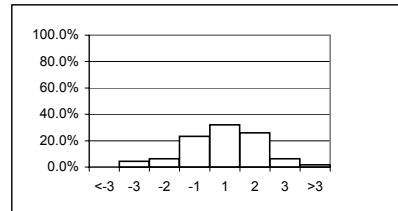
Rater = Lowsky, John

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under- crown	Thrust	Anti-thrust						Average Skirt	UWPD	WPD	MEAN	STD
Seq_III_Calibration_C1	0.85	0.36	-1.26	1.60	-0.36	2.05	-2.75	-2.21						-2.76	-0.80	-0.44	-0.52	1.65
Seq_III_Calibration_C2	0.09	-1.06	-1.54	1.46	-0.42	0.85	-2.46	-2.61						-2.64	-1.79	-1.23	-1.03	1.39
Seq_III_Piston_A1	-0.09	0.56	-0.70	1.57	0.13	0.55	-0.34	-2.21						-1.27	-0.31	0.06	-0.19	1.00
Seq_III_Piston_A2	-0.06	-0.59	-0.29	1.53	-0.18	1.07	-0.60	-0.86						-0.80	0.10	0.22	-0.04	0.76
Seq_III_Piston_A3	2.40	-0.16	-1.82	0.61	0.91	3.96	1.45	-0.20						-4.12	3.23	0.51	0.62	2.27
Seq_III_Piston_A4	-0.38	0.13	-1.27	0.94	1.11	1.52	0.11	-1.49						-0.49	0.90	1.03	0.19	1.01
Seq_III_Piston_A5	0.30	-0.61	-0.28	1.52	1.87	0.45	2.28	0.71						0.98	2.13	2.03	1.03	1.00
Seq_III_Piston_A6	0.35	-0.37	0.13	0.60	0.67	-0.03	1.78	-0.57						1.33	1.08	0.69	0.51	0.71
Seq_III_Piston_B1	0.28	-0.74	-0.18	1.18	1.04	2.89	0.76	-0.92						0.41	2.14	2.03	0.81	1.21
Seq_III_Piston_B2	-1.47	0.26	1.09	1.05	0.75	1.03	1.86	0.46						1.87	2.07	1.61	0.96	1.00
Seq_III_Piston_B3	-0.79	-0.21	1.10	0.56	2.17	3.11	1.61	0.25						1.49	2.72	2.80	1.35	1.30
Seq_III_Piston_B4	0.67	1.01	0.86	1.94	0.63	1.30	1.99	-0.28						1.88	2.03	1.54	1.23	0.73
Seq_III_Piston_B5	1.70	1.13	0.02	0.34	1.32	1.15	0.51	0.37						0.58	1.78	1.64	0.96	0.62
Seq_III_Piston_B6	0.16	0.23	0.07	1.87	-0.47	2.24	2.17	1.25						2.23	2.58	2.04	1.31	1.10
YI MAXIMUM	2.40	1.13	-1.82	1.94	2.17	3.96	-2.75	-2.61						-4.12	3.23	2.80	1.35	2.27
YI MINIMUM	-0.06	0.13	0.02	0.34	0.13	-0.03	0.11	-0.20						0.41	0.10	0.06	-0.04	0.62
YI MEAN	0.29	0.00	-0.29	1.20	0.65	1.58	0.60	-0.59						-0.09	1.28	1.04		
YI STD	0.96	0.65	0.94	0.52	0.83	1.13	1.64	1.19						1.99	1.48	1.12		

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	5	4.5%	-1 < yi ≤ 1	55.4%
-2 lt yi le -1	7	6.3%	-2 < yi ≤ 2	87.5%
-1 lt yi le 0	26	23.2%	-3 < yi ≤ 3	98.2%
0 lt yi le 1	36	32.1%	>3	1.8%
1 lt yi le 2	29	25.9%		
2 lt yi le 3	7	6.3%	Overall Yi STD	1.22
3 lt yi	2	1.8%		
total	112	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop (Sequence III)

Yi VALUES

Yi distribution (excluding shaded columns)

A histogram showing the distribution of the number of correct answers for a 10-item test. The x-axis represents the number of correct answers, ranging from <-3 to >3. The y-axis represents the percentage of students, ranging from 0.0% to 100.0% in 20% increments. The distribution is roughly bell-shaped, centered around -1.

Number of Correct Answers	Percentage of Students
<-3	~2.0%
-3	~12.0%
-2	~10.0%
-1	~35.0%
1	~25.0%
2	~5.0%
3	~5.0%
>3	~2.0%

11:51 AM 4/28/2005

Light Duty Rating Workshop (Sequence III)

Yi VALUES

Yi distribution (excluding shaded columns)

A histogram showing the distribution of the number of children per family. The x-axis represents the number of children, with categories: <-3, -3, -2, -1, 1, 2, 3, >3. The y-axis represents the percentage of families, ranging from 0.0% to 100.0% in increments of 20.0%. The distribution is roughly bell-shaped, centered around -1 and 1.

Number of Children	Percentage
<-3	0.0%
-3	0.0%
-2	~5.0%
-1	~48.0%
1	~42.0%
2	~5.0%
3	0.0%
>3	0.0%

11:51 AM 4/28/2005

April 10-21, 2005

Light Duty Rating Workshop (Sequence III)

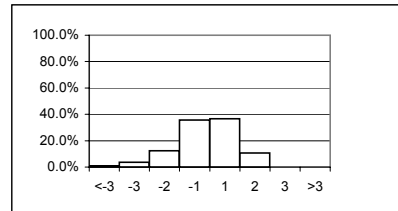
Rater = Sanchez, Art

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under- crown	Thrust	Anti- thrust						Average Skirt	UWPD	WPD	MEAN	STD
Seq III Calibration C1	0.60	0.89	1.00	-0.26	0.39	0.57	-0.06	0.35						0.08	1.03	1.03	0.51	0.46
Seq III Calibration C2	0.19	0.96	0.46	-1.39	1.30	0.53	0.46	-0.35						0.35	1.02	1.13	0.42	0.77
Seq III Piston A1	-3.94	-1.74	0.85	0.11	-1.10	0.30	1.43	0.29						1.28	0.09	0.05	-0.22	1.54
Seq III Piston A2	-0.06	-0.18	0.98	0.99	0.91	1.02	0.94	0.24						0.72	1.60	1.49	0.79	0.57
Seq III Piston A3	-0.57	-0.16	1.13	-1.60	-0.68	-0.45	-1.45	-0.68						-0.40	-1.18	-0.97	-0.64	0.74
Seq III Piston A4	-1.00	-0.33	0.63	-0.70	1.65	-0.81	-0.01	0.52						0.19	-0.02	0.74	0.08	0.79
Seq III Piston A5	0.30	-0.61	1.05	-0.08	0.55	1.10	-1.40	-0.09						-0.23	0.54	1.22	0.21	0.80
Seq III Piston A6	0.35	-0.37	0.13	-1.11	0.67	-0.98	-2.13	0.41						-1.68	-1.51	-0.51	-0.61	0.94
Seq III Piston B1	0.28	0.06	0.59	1.90	0.18	-0.11	-2.72	-0.27						-2.60	-0.81	0.62	-0.26	1.36
Seq III Piston B2	0.39	0.26	-0.22	-1.17	-0.63	-0.89	-1.33	-0.14						-1.30	-1.41	-1.00	-0.68	0.65
Seq III Piston B3	-0.79	-0.80	1.16	-1.92	0.68	0.42	-2.08	-1.35						-2.20	-1.36	-0.10	-0.76	1.16
Seq III Piston B4	0.67	1.36	-0.49	-1.45	-0.96	-0.79	-0.34	-0.73						-0.63	-0.99	-1.02	-0.49	0.81
Seq III Piston B5	-0.63	0.47	-0.11	-0.97	-0.40	1.01	-2.22	-0.95						-2.30	-0.89	-0.45	-0.68	0.99
Seq III Piston B6	0.16	0.23	1.02	-1.27	-0.47	-0.31	-1.66	0.02						-1.46	-0.64	-0.08	-0.40	0.81
YI MAXIMUM	-3.94	-1.74	1.16	-1.92	1.65	1.10	-2.72	-1.35						-2.60	1.60	1.49	0.79	1.54
YI MINIMUM	-0.06	0.06	-0.11	-0.08	0.18	-0.11	-0.01	0.02						0.08	-0.02	0.05	0.08	0.46
YI MEAN	-0.29	0.00	0.58	-0.64	0.15	0.04	-0.90	-0.20						-0.73	-0.32	0.15		
YI STD	1.18	0.80	0.55	1.07	0.86	0.76	1.29	0.56						1.21	1.03	0.88		

	count	percent		
yi le -3	1	0.9%		
3 lt yi le -2	4	3.6%	-1 < yi ≤ 1	72.3%
-2 lt yi le -1	14	12.5%	-2 < yi ≤ 2	95.5%
-1 lt yi le 0	40	35.7%	-3 < yi ≤ 3	99.1%
0 lt yi le 1	41	36.6%	>3	0.9%
1 lt yi le 2	12	10.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.99
3 lt yi	0	0.0%		
total	112	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop (Sequence III)

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	70.3%
2 lt yi le -1	3	4.7%	-2 < yi ≤ 2	93.8%
-1 lt yi le 0	13	20.3%	-3 < yi ≤ 3	96.9%
0 lt yi le 1	32	50.0%	>3	3.1%
1 lt yi le 2	12	18.8%		
2 lt yi le 3	2	3.1%	Overall Yi STD	0.93
3 lt yi	2	3.1%		
total	64	100.0%	Parts Rated	8

A histogram showing the distribution of the number of children per family. The x-axis categories are: <-3, -3, -2, -1, 1, 2, 3, >3. The y-axis represents percentages from 0.0% to 100.0% in increments of 20.0%.

Number of Children	Percentage
<-3	0.0%
-3	0.0%
-2	5.0%
-1	20.0%
1	50.0%
2	20.0%
3	5.0%
>3	5.0%

10:52 AM 5/2/2005

Light Duty Rating Workshop (Sequence III)

Yi VALUES

Yi distribution (excluding shaded columns)

A histogram showing the distribution of the number of correct answers for a 10-item test. The x-axis is labeled with categories: <-3, -3, -2, -1, 1, 2, 3, and >3. The y-axis represents the percentage of students, ranging from 0.0% to 100.0% in 20.0% increments. The distribution is centered around -1, which has the highest frequency at approximately 42%.

Number of Correct Answers	Percentage of Students
<-3	0.0%
-3	0.0%
-2	10.0%
-1	42.0%
1	30.0%
2	10.0%
3	0.0%
>3	0.0%

11:51 AM 4/28/2005

April 10-21, 2005

Light Duty Rating Workshop (Sequence III)

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	14	71.4%	97.3%	99.1%	0.9%	0.92	White	
Avis, Steve	14	70.5%	99.1%	100.0%	0.0%	0.87	White	
Cales, Jonathon	14	73.2%	96.4%	98.2%	1.8%	0.98	White	
Caproni, David	14	67.0%	91.1%	97.3%	2.7%	1.16	White	
Castillo, George	14	89.3%	99.1%	99.1%	0.9%	0.66	Blue	
Foecking, Brian	14	81.3%	100.0%	100.0%	0.0%	0.74	Red	
Garcia, Orlando	14	76.8%	97.3%	100.0%	0.0%	0.84	White	
Guarda, Waldyr	8	54.7%	75.0%	92.2%	7.8%	1.48	Yellow	
Hills, Barry	14	80.4%	98.2%	100.0%	0.0%	0.83	Red	
Kobrinetz, Jack	13	86.5%	98.1%	100.0%	0.0%	0.66	Blue	
Lopez, Frank	14	77.7%	99.1%	100.0%	0.0%	0.84	White	
Lowsky, John	14	55.4%	87.5%	98.2%	1.8%	1.22	Yellow	
Pansza, Mike	14	77.7%	93.8%	100.0%	0.0%	0.91	White	
Pawczuk, Greg	8	62.5%	73.4%	92.2%	7.8%	1.53	Yellow	
Radonich, Pete	14	92.9%	100.0%	100.0%	0.0%	0.57	Blue	
Ramirez, Robert	14	75.0%	95.5%	100.0%	0.0%	0.78	White	
Rodriguez, Jesse	14	83.9%	96.4%	99.1%	0.9%	0.78	Red	
Sanchez, Art	14	72.3%	95.5%	99.1%	0.9%	0.99	White	
Seiz, Ray	8	70.3%	93.8%	96.9%	3.1%	0.93	White	
Tschirhart, Garland	14	74.1%	96.4%	99.1%	0.9%	0.98	White	
Viera, Ralph	14	60.7%	92.0%	96.4%	3.6%	1.23	Yellow	
Yanchar, Paul	14	83.0%	97.3%	99.1%	0.9%	0.78	Red	

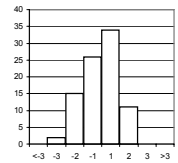
	Minimum Number of Parts Rated	Minimum Yi's within 1 STD of mean	Minimum Yi's within 2 STD of mean	Maximum Overall Yi STD	Group Total	
White	6	60%	90%	1.20	11	50%
Red	6	80%	95%	0.85	4	18%
Blue	6	85%	98%	0.75	3	14%
Yellow	-	-	-	-	4	18%

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Pistons C1-C4

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4													
Radonich, Pete	8.10	8.40	7.90	8.45													
Tschirhart, Garland	8.06	8.30	7.90	8.20													
Guarda, Waldyr	7.89	7.54	7.68	7.81													
Castillo, George	7.08	7.32	6.96	7.53													
Kobrinetz, Jack	8.20	8.38	8.14	8.33													
Lopez, Frank	7.36	7.47	7.26	7.95													
Foecking, Brian	8.10	8.40	8.10	8.70													
Caproni, David	8.32	8.47	8.00	8.60													
Garcia, Orlando	7.42	8.01	7.53	7.98													
Cales, Jonathon	8.40	8.39	8.19	8.45													
Pansza, Mike	8.24	8.32	8.46	8.28													
Greenland, Paul	7.58	7.88	7.36	7.36													
Hill, John	7.85	7.98	7.83	8.14													
Adams, Pat	7.75	7.28	7.14	7.36													
Ramirez, Robert	7.52	7.60	7.27	7.83													
Seiz, Ray	8.35	8.28	7.58	8.47													
Yanchar, Paul	8.26	8.57	8.15	8.65													
Viera, Ralph	8.76	8.40	7.81	7.57													
Sanchez, Art	8.35	8.49	8.69	8.80													
Lowsky, John	6.90	7.30	6.55	7.03													
Rodriguez, Jesse	7.72	7.94	7.63	7.55													
Pawczuk, Greg	8.15	7.82	7.14	7.37													
MAXIMUM	8.76	8.57	8.69	8.80													
MINIMUM	6.90	7.28	6.55	7.03													
RANGE (MAX-MIN)	1.86	1.29	2.14	1.77													
MEAN	7.93	8.02	7.69	8.02													
STD	0.47	0.44	0.52	0.52													



PART ID = Sequence V Calibration - Pistons C1-C4

YI VALUES

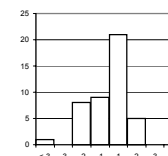
	Piston 1	Piston 2	Piston 3	Piston 4														MEAN	STD
Radonich, Pete	0.37	0.86	0.40	0.83														0.62	0.27
Tschirhart, Garland	0.29	0.63	0.40	0.35														0.42	0.15
Guarda, Waldyr	-0.08	-1.11	-0.03	-0.40														-0.40	0.50
Castillo, George	-1.81	-1.62	-1.42	-0.95														-1.45	0.37
Kobrinetz, Jack	0.59	0.82	0.86	0.60														0.72	0.14
Lopez, Frank	-1.21	-1.27	-0.84	-0.13														-0.86	0.52
Foecking, Brian	0.37	0.86	0.79	1.32														0.84	0.39
Caproni, David	0.85	1.02	0.59	1.12														0.90	0.23
Garcia, Orlando	-1.08	-0.03	-0.32	-0.07														-0.38	0.49
Cales, Jonathon	1.02	0.84	0.96	0.83														0.91	0.09
Pansza, Mike	0.68	0.68	1.48	0.51														0.84	0.44
Greenland, Paul	-0.74	-0.33	-0.65	-1.27														-0.75	0.39
Hill, John	-0.16	-0.10	0.26	0.23														0.06	0.22
Adams, Pat	-0.38	-1.71	-1.07	-1.27														-1.11	0.55
Ramirez, Robert	-0.87	-0.97	-0.82	-0.36														-0.76	0.27
Seiz, Ray	0.91	0.59	-0.22	0.87														0.54	0.53
Yanchar, Paul	0.72	1.25	0.88	1.22														1.02	0.26
Viera, Ralph	1.79	0.86	0.22	-0.87														0.50	1.12
Sanchez, Art	0.91	1.07	1.93	1.51														1.36	0.46
Lowsky, John	-2.20	-1.66	-2.22	-1.91														-2.00	0.26
Rodriguez, Jesse	-0.44	-0.19	-0.12	-0.91														-0.42	0.35
Pawczuk, Greg	0.48	-0.47	-1.07	-1.25														-0.58	0.78
Yi MAXIMUM	-2.20	-1.71	-2.22	-1.91														-2.00	1.12
Yi MINIMUM	-0.08	-0.03	-0.03	-0.07														0.06	0.09
Yi MEAN	0.00	0.00	0.00	0.00															
Yi STD	1.00	1.00	1.00	1.00															
Ratings MEAN	7.93	8.02	7.69	8.02															
Ratings STD	0.47	0.44	0.52	0.52															

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Varnish

RATED VALUES

	Rocker Cover L	Rocker Cover R														
Radonich, Pete	8.85	9.70														
Tschirhart, Garland	9.25	9.70														
Guarda, Waldyr	8.02	8.57														
Castillo, George	8.23	9.64														
Kobrinetz, Jack	8.70	9.55														
Lopez, Frank	8.68	9.70														
Foecking, Brian	8.92	9.80														
Caproni, David	8.35	9.30														
Garcia, Orlando	9.07	9.75														
Cales, Jonathon	8.34	9.68														
Pansza, Mike	9.17	9.54														
Greenland, Paul	8.53	9.56														
Hill, John	8.73	9.70														
Adams, Pat	9.08	9.80														
Ramirez, Robert	8.30	9.52														
Seiz, Ray	8.60	9.20														
Yanchar, Pau	8.77	9.74														
Viera, Ralph	8.80	9.74														
Sanchez, Ari	9.00	9.80														
Lowsky, John	8.17	8.98														
Rodriguez, Jesse	8.81	9.80														
Pawczuk, Greg	9.10	9.70														
MAXIMUM	9.25	9.80														
MINIMUM	8.02	8.57														
RANGE (MAX-MIN)	1.23	1.23														
MEAN	8.70	9.57														
STD	0.35	0.31														



yi within 1 68.2%
 yi within 2 97.7%
 yi within 3 97.7%

PART ID = Sequence V Calibration - Varnish

Yi VALUES

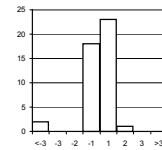
	Rocker Cover L	Rocker Cover R															MEAN	STD
Radonich, Pete	0.42	0.44															0.43	0.01
Tschirhart, Garland	1.56	0.44															1.00	0.80
Guarda, Waldyr	-1.95	-3.26															-2.61	0.92
Castillo, George	-1.35	0.24															-0.56	1.13
Kobrinetz, Jack	-0.01	-0.05															-0.03	0.03
Lopez, Frank	-0.07	0.44															0.18	0.35
Foecking, Brian	0.62	0.76															0.69	0.10
Caproni, David	-1.01	-0.87															-0.94	0.10
Garcia, Orlando	1.05	0.60															0.82	0.32
Cales, Jonathon	-1.04	0.37															-0.33	1.00
Pansza, Mike	1.33	-0.09															0.62	1.01
Greenland, Paul	-0.50	-0.02															-0.26	0.33
Hill, John	0.08	0.44															0.26	0.25
Adams, Pat	1.08	0.76															0.92	0.22
Ramirez, Robert	-1.15	-0.15															-0.65	0.71
Seiz, Ray	-0.30	-1.20															-0.75	0.64
Yanchar, Pau	0.19	0.57															0.38	0.27
Viera, Ralph	0.28	0.57															0.42	0.20
Sanchez, Ari	0.85	0.76															0.81	0.06
Lowsky, John	-1.52	-1.92															-1.72	0.28
Rodriguez, Jesse	0.31	0.76															0.53	0.32
Pawczuk, Greg	1.13	0.44															0.78	0.49
Yi MAXIMUM	-1.95	-3.26															-2.61	1.13
Yi MINIMUM	-0.01	-0.02															-0.03	0.01
Yi MEAN	0.00	0.00																
Yi STD	1.00	1.00																
Ratings MEAN	8.70	9.57																
Ratings STD	0.35	0.31																

Light Duty Rating Workshop

PART ID = Sequence V Calibration - Sludge

RATED VALUES

	Rocker Cover Baffle L	Rocker Cover Baffle R														
Radonich, Pete	9.05	9.20														
Tschirhart, Garland	9.20	9.35														
Guarda, Waldyr	9.29	9.27														
Castillo, George	9.29	9.32														
Kobrinetz, Jack	9.13	9.17														
Lopez, Frank	9.34	9.57														
Foecking, Brian	9.01	9.11														
Caproni, David	8.98	9.08														
Garcia, Orlando	9.26	9.31														
Cales, Jonathon	9.26	9.42														
Pansza, Mike	9.12	9.24														
Greenland, Paul	9.09	9.19														
Hill, John	8.19	8.05														
Adams, Pat	9.06	9.19														
Ramirez, Robert	9.01	9.19														
Seiz, Ray	9.34	9.32														
Yanchar, Paul	9.12	9.29														
Viera, Ralph	9.30	9.41														
Sanchez, Art	9.12	9.28														
Lowsky, John	9.05	9.09														
Rodriguez, Jesse	9.27	9.33														
Pawczuk, Greg	9.20	9.34														
MAXIMUM	9.34	9.57														
MINIMUM	8.19	8.05														
RANGE (MAX-MIN)	1.15	1.52														
MEAN	9.12	9.21														
STD	0.24	0.28														



yi within 1 93.2%
 yi within 2 95.5%
 yi within 3 95.5%

PART ID = Sequence V Calibration - Sludge

Yi VALUES

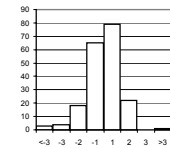
	Rocker Cover Baffle L	Rocker Cover Baffle R															MEAN	STD
Radonich, Pete	-0.30	-0.05															-0.18	0.18
Tschirhart, Garland	0.33	0.48															0.40	0.10
Guarda, Waldyr	0.71	0.19															0.45	0.36
Castillo, George	0.71	0.37															0.54	0.24
Kobrinetz, Jack	0.03	-0.16															-0.06	0.13
Lopez, Frank	0.92	1.25															1.08	0.23
Foecking, Brian	-0.47	-0.37															-0.42	0.07
Caproni, David	-0.60	-0.47															-0.53	0.09
Garcia, Orlando	0.58	0.34															0.46	0.17
Cales, Jonathon	0.58	0.72															0.65	0.10
Pansza, Mike	-0.01	0.09															0.04	0.07
Greenland, Paul	-0.13	-0.09															-0.11	0.03
Hill, John	-3.92	-4.09															-4.01	0.12
Adams, Pat	-0.26	-0.09															-0.17	0.12
Ramirez, Robert	-0.47	-0.09															-0.28	0.27
Seiz, Ray	0.92	0.37															0.64	0.39
Yanchar, Paul	-0.01	0.26															0.13	0.19
Viera, Ralph	0.75	0.69															0.72	0.05
Sanchez, Art	-0.01	0.23															0.11	0.17
Lowsky, John	-0.30	-0.44															-0.37	0.10
Rodriguez, Jesse	0.62	0.41															0.51	0.15
Pawczuk, Greg	0.33	0.44															0.38	0.08
Yi MAXIMUM	-3.92	-4.09															-4.01	0.39
Yi MINIMUM	-0.01	-0.05															0.04	0.03
Yi MEAN	0.00	0.00																
Yi STD	1.00	1.00																
Ratings MEAN	9.12	9.21																
Ratings STD	0.24	0.28																

Light Duty Rating Workshop

PART ID = Sequence V - Pistons D1-D8

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8								
Garcia, Orlando	7.95	8.02	7.66	7.72	8.68	8.48	8.31	8.13								
Pansza, Mike	8.34	8.26	8.06	8.36	8.71	8.76	8.74	8.78								
Castillo, George	7.05	7.06	6.64	7.04	8.34	8.08	7.78	8.05								
Radonich, Pete	8.18	8.14	7.79	7.97	8.77	8.68	8.66	8.65								
Tschirhart, Garland	7.71	7.61	7.41	7.41	9.11	9.01	9.01	8.91								
Kobrinetz, Jack	7.92	8.08	7.76	7.92	8.68	8.76	8.60	8.60								
Lopez, Frank	7.58	7.17	6.83	7.22	8.08	8.36	7.84	7.92								
Caproni, David	8.10	8.00	7.81	8.14	8.90	8.88	8.84	8.86								
Foecking, Brian	8.00	7.80	7.40	7.60	8.80	8.70	8.50	8.30								
Hills, Barry	7.99	7.93	7.83	7.98	9.04	8.70	8.83	8.84								
Cales, Jonathon	8.74	8.20	8.18	8.32	8.90	9.02	8.84	8.72								
Lowsky, John	7.40	7.70	7.55	7.90	8.28	8.15	8.10	8.25								
Hill, John	8.05	7.73	7.46	7.78	8.30	8.40	8.53	8.53								
Sanchez, Art	8.49	8.04	8.13	8.42	8.42	8.75	8.51	8.58								
Ramirez, Robert	7.91	7.84	7.47	7.72	8.43	8.54	8.43	8.60								
Greenland, Paul	7.87	7.57	7.42	7.80	8.40	8.43	8.56	8.35								
Pawczuk, Greg	7.05	6.64	7.05	7.23	7.15	7.35	7.53	7.09								
Seiz, Ray	9.54	8.34	8.17	8.19	8.51	8.67	8.92	8.63								
Adams, Pat	7.85	8.00	8.10	7.75	8.87	8.78	8.82	8.83								
Yanchar, Paul	8.25	8.15	7.55	8.00	8.80	8.90	8.80	8.90								
Sessions, Gwen	8.00	7.75	7.50	7.80	8.50	8.50	8.50	8.50								
Anderson, Richard	8.00	7.75	7.50	7.80	8.50	8.50	8.50	8.50								
Rodriguez, Jesse	8.09	7.90	7.83	7.68	8.74	8.96	8.92	8.75								
Viera, Ralph	7.63	7.86	7.29	7.70	8.32	8.44	8.38	8.21								
MAXIMUM	9.54	8.34	8.18	8.42	9.11	9.02	9.01	8.91								
MINIMUM	7.05	6.64	6.64	7.04	7.15	7.35	7.53	7.09								
RANGE (MAX-MIN)	2.49	1.70	1.54	1.38	1.96	1.67	1.49	1.82								
MEAN	7.99	7.81	7.60	7.81	8.55	8.58	8.52	8.48								
STD	0.51	0.40	0.40	0.35	0.40	0.36	0.38	0.41								



yi within 1 75%
 yi within 2 96%
 yi within 3 98%

PART ID = Sequence V - Pistons D1-D8

YI VALUES

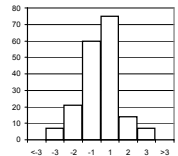
	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8									MEAN	STD
Garcia, Orlando	-0.07	0.52	0.15	-0.26	0.32	-0.26	-0.55	-0.86									-0.13	0.45
Pansza, Mike	0.69	1.13	1.15	1.57	0.40	0.51	0.58	0.74									0.85	0.40
Castillo, George	-1.83	-1.91	-2.39	-2.20	-0.53	-1.37	-1.93	-1.05									-1.65	0.62
Radonich, Pete	0.38	0.82	0.47	0.45	0.55	0.29	0.37	0.42									0.47	0.16
Tschirhart, Garland	-0.54	-0.52	-0.47	-1.14	1.40	1.21	1.29	1.06									0.29	1.04
Kobrinetz, Jack	-0.13	0.67	0.40	0.31	0.32	0.51	0.21	0.30									0.33	0.23
Lopez, Frank	-0.80	-1.63	-1.92	-1.68	-1.18	-0.60	-1.78	-1.37									-1.37	0.48
Caproni, David	0.22	0.47	0.52	0.94	0.88	0.85	0.84	0.94									0.71	0.27
Foecking, Brian	0.03	-0.04	-0.50	-0.60	0.62	0.35	-0.05	-0.44									-0.08	0.43
Hills, Barry	0.01	0.29	0.57	0.48	1.23	0.35	0.82	0.89									0.58	0.39
Cales, Jonathon	1.47	0.98	1.45	1.45	0.88	1.23	0.84	0.59									1.11	0.34
Lowsky, John	-1.15	-0.29	-0.12	0.26	-0.68	-1.18	-1.10	-0.56									-0.60	0.53
Hill, John	0.12	-0.21	-0.35	-0.09	-0.63	-0.49	0.03	0.13									-0.19	0.28
Sanchez, Art	0.98	0.57	1.32	1.74	-0.33	0.49	-0.02	0.25									0.62	0.69
Ramirez, Robert	-0.15	0.07	-0.32	-0.26	-0.30	-0.10	-0.23	0.30									-0.13	0.21
Greenland, Paul	-0.23	-0.62	-0.45	-0.03	-0.38	-0.40	0.11	-0.32									-0.29	0.23
Pawczuk, Greg	-1.83	-2.97	-1.37	-1.65	-3.52	-3.40	-2.60	-3.42									-2.60	0.87
Seiz, Ray	3.04	1.33	1.42	1.08	-0.10	0.26	1.05	0.37									1.06	0.97
Adams, Pat	-0.27	0.47	1.25	-0.17	0.80	0.57	0.79	0.87									0.54	0.52
Yanchar, Paul	0.51	0.85	-0.12	0.54	0.62	0.90	0.74	1.04									0.64	0.36
Sessions, Gwen	0.03	-0.16	-0.25	-0.03	-0.13	-0.21	-0.05	0.05									-0.09	0.11
Anderson, Richard	0.03	-0.16	-0.25	-0.03	-0.13	-0.21	-0.05	0.05									-0.09	0.11
Rodriguez, Jesse	0.20	0.22	0.57	-0.37	0.47	1.07	1.05	0.67									0.49	0.48
Viera, Ralph	-0.70	0.12	-0.77	-0.31	-0.58	-0.37	-0.36	-0.66									-0.46	0.29
Yi MAXIMUM	3.04	-2.97	-2.39	-2.20	-3.52	-3.40	-2.60	-3.42									-2.60	1.04
Yi MINIMUM	0.01	-0.04	-0.12	-0.03	-0.10	-0.10	-0.02	0.05									-0.08	0.11
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.99	7.81	7.60	7.81	8.55	8.58	8.52	8.48										
Ratings STD	0.51	0.40	0.40	0.35	0.40	0.36	0.38	0.41										

Light Duty Rating Workshop

PART ID = Sequence V - Pistons E1-E8

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8									
Pansza, Mike	8.20	8.22	8.31	8.14	8.02	7.86	7.62	7.20									
Castillo, George	7.94	7.42	7.74	7.04	7.23	6.62	6.14	6.14									
Radonich, Pete	8.36	8.38	8.42	8.13	8.19	7.62	7.32	7.24									
Tschirhart, Garland	8.31	8.31	8.31	7.91	7.51	7.21	7.01	7.01									
Kobrinetz, Jack	8.28	8.33	8.38	8.10	8.36	7.90	7.70	7.47									
Lopez, Frank	8.16	8.18	8.20	8.02	7.79	7.69	6.70	6.50									
Caproni, David	8.45	8.20	8.40	8.15	8.03	8.00	7.64	7.66									
Foecking, Brian	8.40	8.20	8.50	7.90	7.90	7.30	6.90	6.70									
Hills, Barry	9.00	8.95	9.00	8.85	8.56	8.49	8.49	8.46									
Garcia, Orlando	7.61	7.54	7.48	7.46	7.39	7.12	6.78	6.34									
Cales, Jonathon	8.58	8.18	8.52	7.98	8.34	8.22	7.40	7.30									
Hill, John	8.55	8.54	8.43	8.19	8.10	7.56	6.82	6.64									
Sanchez, Art	8.21	8.30	8.65	7.84	8.30	7.62	7.34	7.27									
Ramirez, Robert	8.42	8.38	8.46	8.26	8.15	7.79	7.50	7.68									
Lowsky, John	8.05	8.05	8.15	7.85	7.85	7.65	7.35	7.20									
Greenland, Paul	8.00	7.80	7.90	7.70	7.81	7.80	7.50	7.40									
Adams, Pat	8.49	8.59	8.66	8.37	8.10	7.70	7.59	6.90									
Seiz, Ray	8.95	9.04	8.72	8.34	8.85	8.45	7.90	7.94									
Yanchar, Pau	8.50	8.30	8.60	8.10	7.95	7.36	6.97	6.96									
Sessions, Gwen	8.00	7.76	8.25	8.00	8.00	7.75	7.25	7.00									
Anderson, Richard	8.00	7.75	8.25	8.00	8.00	7.50	7.25	7.00									
Viera, Ralph	8.44	8.34	8.34	7.61	7.95	8.04	6.54	6.86									
Rodriguez, Jesse	8.75	8.44	8.09	8.08	8.44	7.89	6.87	7.27									
MAXIMUM	9.00	9.04	9.00	8.85	8.85	8.49	8.49	8.46									
MINIMUM	7.61	7.42	7.48	7.04	7.23	6.62	6.14	6.14									
RANGE (MAX-MIN)	1.39	1.62	1.52	1.81	1.62	1.87	2.35	2.32									
MEAN	8.33	8.23	8.34	8.00	8.04	7.70	7.24	7.14									
STD	0.33	0.39	0.33	0.35	0.37	0.42	0.50	0.52									



yi within 1 73%
 yi within 2 92%
 yi within 3 100%

PART ID = Sequence V - Pistons E1-E8

Yi VALUES

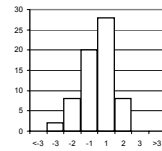
	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8										MEAN	STD
Pansza, Mike	-0.41	-0.02	-0.08	0.40	-0.04	0.38	0.75	0.12										0.14	0.36
Castillo, George	-1.20	-2.07	-1.82	-2.75	-2.20	-2.58	-2.19	-1.92										-2.09	0.48
Radonich, Pete	0.08	0.40	0.25	0.37	0.42	-0.19	0.15	0.20										0.21	0.20
Tschirhart, Garland	-0.07	0.22	-0.08	-0.26	-1.44	-1.17	-0.46	-0.24										-0.44	0.57
Kobrinetz, Jack	-0.16	0.27	0.13	0.28	0.89	0.47	0.91	0.64										0.43	0.37
Lopez, Frank	-0.53	-0.12	-0.42	0.05	-0.67	-0.03	-1.08	-1.23										-0.50	0.47
Caproni, David	0.36	-0.07	0.19	0.43	-0.02	0.71	0.79	1.01										0.43	0.39
Foecking, Brian	0.21	-0.07	0.50	-0.29	-0.37	-0.96	-0.68	-0.84										-0.31	0.51
Hills, Barry	2.04	1.86	2.02	2.43	1.43	1.88	2.48	2.55										2.09	0.38
Garcia, Orlando	-2.21	-1.76	-2.61	-1.55	-1.77	-1.39	-0.92	-1.54										-1.72	0.52
Cales, Jonathon	0.76	-0.12	0.56	-0.06	0.83	1.23	0.31	0.32										0.48	0.46
Hill, John	0.66	0.81	0.28	0.54	0.18	-0.34	-0.84	-0.96										0.04	0.68
Sanchez, Art	-0.37	0.19	0.95	-0.46	0.72	-0.19	0.19	0.26										0.16	0.50
Ramirez, Robert	0.27	0.40	0.37	0.74	0.31	0.21	0.51	1.05										0.48	0.28
Lowsky, John	-0.86	-0.45	-0.57	-0.43	-0.51	-0.12	0.21	0.12										-0.33	0.37
Greenland, Paul	-1.02	-1.09	-1.33	-0.86	-0.62	0.23	0.51	0.51										-0.46	0.76
Adams, Pat	0.48	0.93	0.98	1.06	0.18	0.00	0.69	-0.46										0.48	0.54
Seiz, Ray	1.89	2.09	1.17	0.97	2.23	1.78	1.30	1.55										1.62	0.45
Yanchar, Pau	0.51	0.19	0.80	0.28	-0.23	-0.81	-0.54	-0.34										-0.02	0.55
Sessions, Gwen	-1.02	-1.20	-0.27	0.00	-0.10	0.11	0.01	-0.26										-0.34	0.49
Anderson, Richard	-1.02	-1.22	-0.27	0.00	-0.10	-0.48	0.01	-0.26										-0.42	0.47
Viera, Ralph	0.33	0.29	0.01	-1.12	-0.23	0.81	-1.39	-0.53										-0.23	0.75
Rodriguez, Jesse	1.28	0.55	-0.75	0.23	1.11	0.45	-0.74	0.26										0.30	0.75
Yi MAXIMUM	-2.21	2.09	-2.61	-2.75	2.23	-2.58	2.48	2.55										-2.09	0.76
Yi MINIMUM	-0.07	-0.02	0.01	0.00	-0.02	0.00	0.01	0.12										-0.02	0.20
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00											
Ratings MEAN	8.33	8.23	8.34	8.00	8.04	7.70	7.24	7.14											
Ratings STD	0.33	0.39	0.33	0.35	0.37	0.42	0.50	0.52											

Light Duty Rating Workshop

PART ID = Sequence V - Varnish

RATED VALUES

	Piston Skirts (Thrust)	Rocker Cover Baffle L	Rocker Cover Baffle R													
Pansza, Mike	8.26	8.63	9.61													
Garcia, Orlando	8.13	8.29	9.51													
Castillo, George	7.50	8.21	9.51													
Radonich, Pete	8.36	8.72	9.70													
Tschirhart, Garland	8.27	8.98	9.48													
Kobrinetz, Jack	8.29	8.62	9.62													
Lopez, Frank	7.62	8.64	9.70													
Caproni, David	8.44	8.48	9.28													
Foecking, Brian	8.14	8.52	9.66													
Hills, Barry	8.39	8.64	9.80													
Cales, Jonathon	8.60	8.03	9.42													
Lowsky, John	7.92	8.06	8.85													
Sanchez, Art	8.42	8.96	9.54													
Hill, John	8.10	8.86	9.70													
Ramirez, Robert	8.12	8.29	9.50													
Greenland, Paul	8.05	8.49	9.33													
Pawczuk, Greg	7.14	8.09	9.15													
Seiz, Ray	8.62	8.80	9.46													
Yanchar, Paul	8.42	8.55	9.52													
Adams, Pat	8.38	8.63	9.75													
Viera, Ralph	7.98	8.63	9.42													
Rodriguez, Jesse	8.36	8.81	9.80													
MAXIMUM	8.62	8.98	9.80													
MINIMUM	7.14	8.03	8.85													
RANGE (MAX-MIN)	1.48	0.95	0.95													
MEAN	8.16	8.54	9.51													
STD	0.36	0.28	0.22													



PART ID = Sequence V - Varnish

Yi VALUES

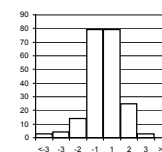
	Piston Skirts (Thrust)	Rocker Cover Baffle L	Rocker Cover Baffle R														MEAN	STD
Pansza, Mike	0.28	0.31	0.43														0.34	0.08
Garcia, Orlando	-0.08	-0.91	-0.02														-0.34	0.49
Castillo, George	-1.83	-1.19	-0.02														-1.02	0.92
Radonich, Pete	0.56	0.64	0.83														0.68	0.14
Tschirhart, Garland	0.31	1.57	-0.15														0.58	0.89
Kobrinetz, Jack	0.36	0.28	0.47														0.37	0.10
Lopez, Frank	-1.50	0.35	0.83														-0.11	1.23
Caproni, David	0.78	-0.22	-1.05														-0.16	0.92
Foecking, Brian	-0.05	-0.08	0.65														0.17	0.42
Hills, Barry	0.64	0.35	1.28														0.76	0.47
Cales, Jonathon	1.22	-1.84	-0.42														-0.35	1.53
Lowsky, John	-0.67	-1.73	-2.97														-1.79	1.15
Sanchez, Art	0.72	1.50	0.12														0.78	0.69
Hill, John	-0.17	1.14	0.83														0.60	0.68
Ramirez, Robert	-0.11	-0.91	-0.06														-0.36	0.47
Greenland, Paul	-0.30	-0.19	-0.82														-0.44	0.34
Pawczuk, Greg	-2.84	-1.62	-1.63														-2.03	0.70
Seiz, Ray	1.28	0.93	-0.24														0.65	0.80
Yanchar, Paul	0.72	0.03	0.03														0.26	0.40
Adams, Pat	0.61	0.31	1.06														0.66	0.37
Viera, Ralph	-0.50	0.31	-0.42														-0.20	0.45
Rodriguez, Jesse	0.56	0.96	1.28														0.93	0.36
Yi MAXIMUM	-2.84	-1.84	-2.97														-2.03	1.53
Yi MINIMUM	-0.05	0.03	-0.02														-0.11	0.08
Yi MEAN	0.00	0.00	0.00															
Yi STD	1.00	1.00	1.00															
Ratings MEAN	8.16	8.54	9.51															
Ratings STD	0.36	0.28	0.22															

Light Duty Rating Workshop

PART ID = Sequence V - Sludge

RATED VALUES

	Rocker Cover L	Rocker Cover R	Rocker Cover Baffle L	Rocker Cover Baffle R	Timing Chain Cover	Oil Pan Baffle	Oil Pan	Valve Deck Area L	Valve Deck Area R								
Pansza, Mike	9.16	9.42	7.92	7.76	8.46	6.92	8.98	8.84	8.04								
Garcia, Orlando	9.19	9.39	8.21	8.08	7.87	7.21	8.56	8.33	7.77								
Castillo, George	9.25	9.37	8.03	8.20	7.47	7.32	9.45	8.74	8.06								
Radonich, Pete	9.28	9.38	8.00	8.08	7.82	7.32	9.42	8.54	7.82								
Tschirhart, Garland	9.22	9.50	8.00	8.10	7.10	6.90	8.90	8.44	7.79								
Kobrinetz, Jack	9.31	9.45	8.55	8.48	7.91	7.60	9.24	8.79	8.00								
Lopez, Frank	9.30	9.40	7.82	8.00	7.83	7.60	9.04	8.39	8.00								
Caproni, David	9.25	9.33	8.27	7.91	7.69	7.12	9.20	8.73	7.98								
Foecking, Brian	9.29	9.42	8.10	8.30	7.79	7.46	9.11	8.69	7.90								
Hills, Barry	8.97	9.19	8.42	8.53	7.97	7.96	9.00	8.96	7.48								
Cales, Jonathon	9.41	9.55	7.53	7.72	8.01	7.74	9.14	9.02	8.40								
Lowsky, John	9.26	9.44	7.68	7.48	6.50	7.20	8.66	8.39	8.00								
Sanchez, Art	9.45	9.56	7.30	8.00	7.40	7.21	9.34	8.70	7.90								
Greenland, Paul	9.35	9.53	8.00	8.00	7.80	7.30	9.20	8.10	7.60								
Hill, John	9.20	8.90	7.60	7.60	7.72	5.90	9.00	7.80	8.20								
Ramirez, Robert	9.20	9.38	8.34	8.62	7.45	7.32	9.04	8.67	8.02								
Pawczuk, Greg	9.10	9.60	7.90	7.80	8.00	7.70	8.80	8.80	8.20								
Seiz, Ray	9.24	9.34	8.70	8.08	8.48	7.74	8.96	9.11	8.32								
Yanchar, Paul	9.33	9.50	8.05	8.36	8.01	7.32	9.08	8.76	8.03								
Adams, Pat	9.28	9.54	7.88	8.14	7.80	7.30	8.88	8.80	8.02								
Viera, Ralph	9.43	9.58	8.00	8.01	7.64	7.26	9.39	9.09	8.60								
Avis, Steve	9.23	9.45	8.45	8.57	8.16	7.22	9.02	8.72	8.02								
Rodriguez, Jesse	9.26	9.46	9.27	9.33	7.62	7.27	9.41	8.98	7.85								
MAXIMUM	9.45	9.60	9.27	9.33	8.48	7.96	9.45	9.11	8.60								
MINIMUM	8.97	8.90	7.30	7.48	6.50	5.90	8.56	7.80	7.48								
RANGE (MAX-MIN)	0.48	0.70	1.97	1.85	1.98	2.06	0.89	1.31	1.12								
MEAN	9.26	9.42	8.09	8.14	7.76	7.30	9.08	8.67	8.00								
STD	0.10	0.15	0.42	0.40	0.42	0.40	0.24	0.32	0.24								



yi within 1 76.3%
 yi within 2 95.2%
 yi within 3 98.6%

PART ID = Sequence V - Sludge

YI VALUES

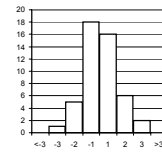
	Rocker Cover L	Rocker Cover R	Rocker Cover Baffle L	Rocker Cover Baffle R	Timing Chain Cover	Oil Pan Baffle	Oil Pan	Valve Deck Area L	Valve Deck Area R									MEAN	STD
Pansza, Mike	-0.95	-0.01	-0.40	-0.95	1.68	-0.95	-0.42	0.54	0.16									-0.14	0.86
Garcia, Orlando	-0.66	-0.21	0.29	-0.14	0.26	-0.22	-2.20	-1.07	-0.94									-0.54	0.78
Castillo, George	-0.09	-0.34	-0.14	0.16	-0.70	0.05	1.57	0.22	0.25									0.11	0.63
Radonich, Pete	0.20	-0.28	-0.21	-0.14	0.14	0.05	1.44	-0.41	-0.74									0.01	0.61
Tschirhart, Garland	-0.37	0.53	-0.21	-0.09	-1.59	-1.00	-0.76	-0.73	-0.86									-0.56	0.61
Kobrinetz, Jack	0.49	0.20	1.10	0.86	0.36	0.75	0.68	0.38	0.00									0.54	0.34
Lopez, Frank	0.39	-0.14	-0.64	-0.34	0.17	0.75	-0.17	-0.88	0.00									-0.10	0.50
Caproni, David	-0.09	-0.61	0.43	-0.57	-0.17	-0.45	0.51	0.19	-0.08									-0.09	0.41
Foecking, Brian	0.29	-0.01	0.03	0.41	0.07	0.40	0.13	0.07	-0.41									0.11	0.25
Hills, Barry	-2.76	-1.56	0.79	0.99	0.50	1.65	-0.34	0.92	-2.13									-0.21	1.57
Cales, Jonathon	1.44	0.87	-1.33	-1.05	0.60	1.10	0.26	1.11	1.64									0.52	1.05
Lowsky, John	0.01	0.13	-0.97	-1.65	-3.03	-0.25	-1.78	-0.88	0.00									-0.94	1.06
Sanchez, Art	1.82	0.94	-1.87	-0.34	-0.87	-0.22	1.11	0.10	-0.41									0.03	1.12
Greenland, Paul	0.87	0.74	-0.21	-0.34	0.09	0.00	0.51	-1.80	-1.64									-0.20	0.96
Hill, John	-0.56	-3.52	-1.16	-1.35	-0.10	-3.50	-0.34	-2.75	0.82									-1.38	1.55
Ramirez, Robert	-0.56	-0.28	0.60	1.21	-0.75	0.05	-0.17	0.00	0.08									0.02	0.59
Pawczuk, Greg	-1.52	1.21	-0.45	-0.85	0.57	1.00	-1.18	0.41	0.82									0.00	1.02
Seiz, Ray	-0.18	-0.55	1.46	-0.14	1.73	1.10	-0.50	1.40	1.31									0.62	0.94
Yanchar, Paul	0.68	0.53	-0.09	0.56	0.60	0.05	0.00	0.29	0.12									0.31	0.29
Adams, Pat	0.20	0.80	-0.49	0.01	0.09	0.00	-0.84	0.41	0.08									0.03	0.48
Viera, Ralph	1.63	1.07	-0.21	-0.32	-0.29	-0.10	1.32	1.33	2.46									0.77	1.02
Avis, Steve	-0.28	0.20	0.86	1.09	0.96	-0.20	-0.25	0.16	0.08									0.29	0.54
Rodriguez, Jesse	0.01	0.26	2.81	3.00	-0.34	-0.07	1.40	0.98	-0.61									0.83	1.33
Yi MAXIMUM	-2.76	-3.52	2.81	3.00	-3.03	-3.50	-2.20	-2.75	2.46									-1.38	1.57
Yi MINIMUM	0.01	-0.01	0.03	0.01	0.07	0.00	0.00	0.00	0.16									0.00	0.25
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	9.26	9.42	8.09	8.14	7.76	7.30	9.08	8.67	8.00										
Ratings STD	0.10	0.15	0.42	0.40	0.42	0.40	0.24	0.32	0.24										

Light Duty Rating Workshop

PART ID = Sequence V - Clogging

RATED VALUES

	Oil Screen %Sludge	Oil Screen %Debris	Oil Ring %													
Pansza, Mike	27.00	38.00	1.00													
Garcia, Orlando	16.00	28.00	0.25													
Castillo, George	18.00	25.00														
Radonich, Pete	22.00	32.00														
Tschirhart, Garland	23.00	33.00														
Kobrinetz, Jack	5.00	22.00														
Lopez, Frank	8.00	29.00														
Caproni, David	40.00	25.00														
Foecking, Brian	34.00	38.00														
Hills, Barry	25.00	50.00														
Cales, Jonathon	48.00	36.00														
Lowsky, John	37.00	25.00														
Sanchez, Art	20.00	30.00														
Hill, John	12.00	12.00														
Ramirez, Robert	27.00	24.00														
Greenland, Paul	30.00	35.00														
Pawczuk, Greg	28.00	30.00														
Seiz, Ray	43.00	22.00														
Yanchar, Paul	38.00	35.00														
Adams, Pat	18.00	22.00														
Viera, Ralph	22.00	33.00														
Avis, Steve	20.00	25.00														
Rodriguez, Jesse	6.00	4.00														
MAXIMUM	48.00	50.00	1.00													
MINIMUM	5.00	4.00	0.25													
RANGE (MAX-MIN)	43.00	46.00	0.75													
MEAN	24.65	28.39	0.63													
STD	11.64	9.32	0.53													



PART ID = Sequence V - Clogging

YI VALUES

	Oil Screen %Sludge	Oil Screen %Debris	Oil Ring %														MEAN	STD
Pansza, Mike	0.20	1.03	0.71														0.65	0.42
Garcia, Orlando	-0.74	-0.04	-0.71														-0.50	0.39
Castillo, George	-0.57	-0.36															-0.47	0.15
Radonich, Pete	-0.23	0.39															0.08	0.44
Tschirhart, Garland	-0.14	0.49															0.18	0.45
Kobrinetz, Jack	-1.69	-0.69															-1.19	0.71
Lopez, Frank	-1.43	0.07															-0.68	1.06
Caproni, David	1.32	-0.36															0.48	1.19
Foecking, Brian	0.80	1.03															0.92	0.16
Hills, Barry	0.03	2.32															1.17	1.62
Cales, Jonathon	2.01	0.82															1.41	0.84
Lowsky, John	1.06	-0.36															0.35	1.01
Sanchez, Art	-0.40	0.17															-0.11	0.40
Hill, John	-1.09	-1.76															-1.42	0.48
Ramirez, Robert	0.20	-0.47															-0.13	0.48
Greenland, Paul	0.46	0.71															0.58	0.18
Pawczuk, Greg	0.29	0.17															0.23	0.08
Seiz, Ray	1.58	-0.69															0.45	1.60
Yanchar, Paul	1.15	0.71															0.93	0.31
Adams, Pat	-0.57	-0.69															-0.63	0.08
Viera, Ralph	-0.23	0.49															0.13	0.51
Avis, Steve	-0.40	-0.36															-0.38	0.03
Rodriguez, Jesse	-1.60	-2.62															-2.11	0.72
Yi MAXIMUM	2.01	-2.62	0.71														-2.11	1.62
Yi MINIMUM	0.03	-0.04	-0.71														0.08	0.03
Yi MEAN	0.00	0.00	0.00															
Yi STD	1.00	1.00	1.00															
Ratings MEAN	24.65	28.39	0.63															
Ratings STD	11.64	9.32	0.53															

Light Duty Rating Workshop (Sequence V Varnish)

Yi VALUES

Yi distribution (excluding shaded columns)

Number of Children	Percentage
0	15%
1	55%
2	20%
3	10%

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April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

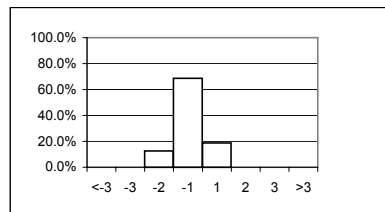
Rater = Anderson, Richard

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	87.5%
-2 lt yi le -1	2	12.5%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	68.8%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	18.8%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.37
3 lt yi	0	0.0%		
total	16	100.0%	Parts Rated	2



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

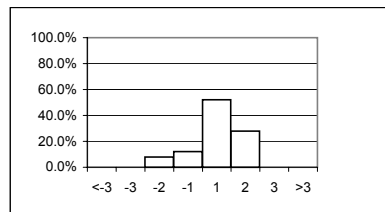
Rater = Cales, Jonathon

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	64.0%
-2 lt yi le -1	2	8.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	3	12.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	13	52.0%	>3	0.0%
1 lt yi le 2	7	28.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.79
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: White

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

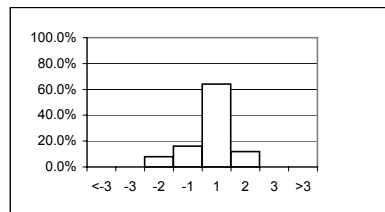
Rater = Caproni, David

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	80.0%
-2 lt yi le -1	2	8.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	16.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	16	64.0%	>3	0.0%
1 lt yi le 2	3	12.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.64
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Red

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

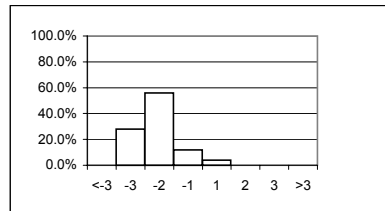
Rater = Castillo, George

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	7	28.0%	-1 < yi ≤ 1	16.0%
-2 lt yi le -1	14	56.0%	-2 < yi ≤ 2	72.0%
-1 lt yi le 0	3	12.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	1	4.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.73
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop (Sequence V Varnish)

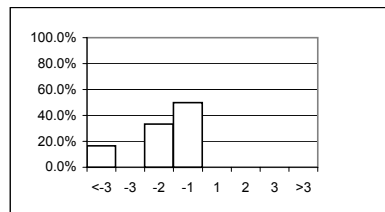
Rater = Guarda, Waldyr

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	1	16.7%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	50.0%
-2 lt yi le -1	2	33.3%	-2 < yi ≤ 2	83.3%
-1 lt yi le 0	3	50.0%	-3 < yi ≤ 3	83.3%
0 lt yi le 1	0	0.0%	>3	16.7%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.27
3 lt yi	0	0.0%		
total	6	100.0%	Parts Rated	2



Group: Yellow

Light Duty Rating Workshop (Sequence V Varnish)

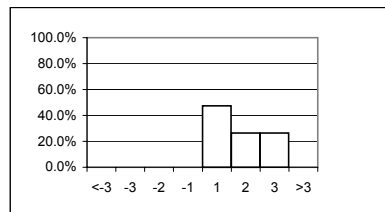
Rater = Hills, Barry

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	47.4%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	73.7%
-1 lt yi le 0	0	0.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	9	47.4%	>3	0.0%
1 lt yi le 2	5	26.3%		
2 lt yi le 3	5	26.3%	Overall Yi STD	0.83
3 lt yi	0	0.0%		
total	19	100.0%	Parts Rated	3



Group: Yellow

Light Duty Rating Workshop (Sequence V Varnish)

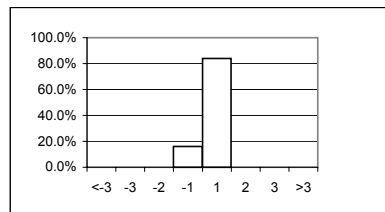
Rater = Kobrinetz, Jack

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	100.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	16.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	21	84.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.31
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

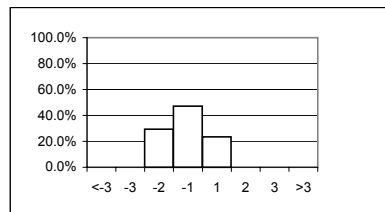
Rater = Lopez, Frank

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	70.6%
-2 lt yi le -1	5	29.4%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	8	47.1%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	23.5%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.68
3 lt yi	0	0.0%		
total	17	100.0%	Parts Rated	4



Group: White

Light Duty Rating Workshop (Sequence V Varnish)

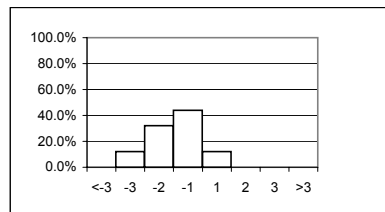
Rater = Lowsky, John

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	3	12.0%	-1 < yi ≤ 1	56.0%
-2 lt yi le -1	8	32.0%	-2 < yi ≤ 2	88.0%
-1 lt yi le 0	11	44.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	12.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.86
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5



Group: Yellow

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

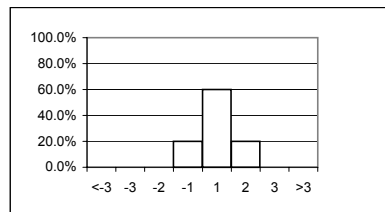
Rater = Pansza, Mike

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	80.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	20.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	15	60.0%	>3	0.0%
1 lt yi le 2	5	20.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.51
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Red

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

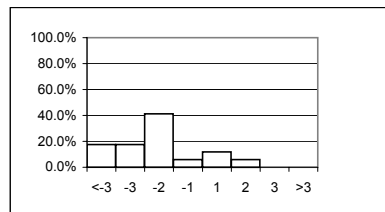
Rater = Pawczuk, Greg

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	3	17.6%		
-3 lt yi le -2	3	17.6%	-1 < yi ≤ 1	17.6%
-2 lt yi le -1	7	41.2%	-2 < yi ≤ 2	64.7%
-1 lt yi le 0	1	5.9%	-3 < yi ≤ 3	82.4%
0 lt yi le 1	2	11.8%	>3	17.6%
1 lt yi le 2	1	5.9%		
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%	Overall Yi STD	1.42
total	17	100.0%	Parts Rated	4



Group: Yellow

Light Duty Rating Workshop (Sequence V Varnish)

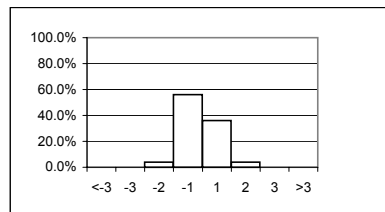
Rater = Ramirez, Robert

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	92.0%
-2 lt yi le -1	1	4.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	14	56.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	9	36.0%	>3	0.0%
1 lt yi le 2	1	4.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.55
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

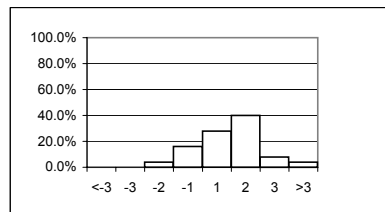
Rater = Seiz, Ray

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	44.0%
-2 lt yi le -1	1	4.0%	-2 < yi ≤ 2	88.0%
-1 lt yi le 0	4	16.0%	-3 < yi ≤ 3	96.0%
0 lt yi le 1	7	28.0%	>3	4.0%
1 lt yi le 2	10	40.0%		
2 lt yi le 3	2	8.0%	Overall Yi STD	0.93
3 lt yi	1	4.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Yellow

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

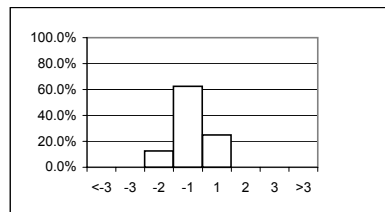
Rater = Sessions, Gwen

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	87.5%
-2 lt yi le -1	2	12.5%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	10	62.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	25.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.37
3 lt yi	0	0.0%		
total	16	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop (Sequence V Varnish)

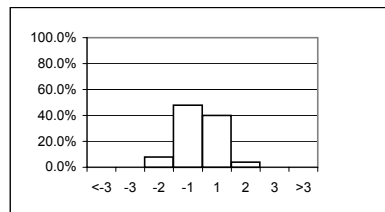
Rater = Viera, Ralph

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	88.0%
-2 lt yi le -1	2	8.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	12	48.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	10	40.0%	>3	0.0%
1 lt yi le 2	1	4.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.70
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

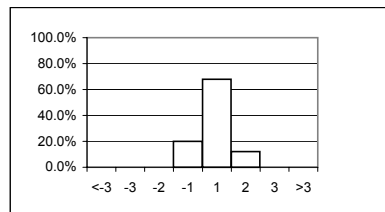
Rater = Yanchar, Paul

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	88.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	20.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	17	68.0%	>3	0.0%
1 lt yi le 2	3	12.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.54
3 lt yi	0	0.0%		
total	25	100.0%	Parts Rated	5



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Varnish)

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	5	72.0%	100.0%	100.0%	0.0%	0.79	White	
Anderson, Richard	2	87.5%	100.0%	100.0%	0.0%	0.37	Blue	
Cales, Jonathon	5	64.0%	100.0%	100.0%	0.0%	0.79	White	
Caproni, David	5	80.0%	100.0%	100.0%	0.0%	0.64	Red	
Castillo, George	5	16.0%	72.0%	100.0%	0.0%	0.73	Yellow	
Foecking, Brian	5	96.0%	100.0%	100.0%	0.0%	0.59	Blue	
Garcia, Orlando	5	64.0%	92.0%	100.0%	0.0%	0.93	White	
Greenland, Paul	5	84.0%	100.0%	100.0%	0.0%	0.49	Red	
Guarda, Waldyr	2	50.0%	83.3%	83.3%	16.7%	1.27	Yellow	
Hill, John	5	96.0%	100.0%	100.0%	0.0%	0.52	Blue	
Hills, Barry	3	47.4%	73.7%	100.0%	0.0%	0.83	Yellow	
Kobrinetz, Jack	5	100.0%	100.0%	100.0%	0.0%	0.31	Blue	
Lopez, Frank	4	70.6%	100.0%	100.0%	0.0%	0.68	White	
Lowsky, John	5	56.0%	88.0%	100.0%	0.0%	0.86	Yellow	
Pansza, Mike	5	80.0%	100.0%	100.0%	0.0%	0.51	Red	
Pawczuk, Greg	4	17.6%	64.7%	82.4%	17.6%	1.42	Yellow	
Radonich, Pete	5	100.0%	100.0%	100.0%	0.0%	0.25	Blue	
Ramirez, Robert	5	92.0%	100.0%	100.0%	0.0%	0.55	Blue	
Rodriguez, Jesse	5	80.0%	100.0%	100.0%	0.0%	0.64	Red	
Sanchez, Art	5	76.0%	100.0%	100.0%	0.0%	0.67	White	
Seiz, Ray	5	44.0%	88.0%	96.0%	4.0%	0.93	Yellow	
Sessions, Gwen	2	87.5%	100.0%	100.0%	0.0%	0.37	Blue	
Tschirhart, Garland	5	64.0%	100.0%	100.0%	0.0%	0.85	White	
Viera, Ralph	5	88.0%	100.0%	100.0%	0.0%	0.70	Blue	
Yanchar, Paul	5	88.0%	100.0%	100.0%	0.0%	0.54	Blue	

	Minimum Number of Parts Rated	Minimum Yi's within 1 STD of mean	Minimum Yi's within 2 STD of mean	Maximum AVG Yi STD	Group Total	
White	1	60%	90%	1.20	6	24%
Red	1	80%	95%	0.85	4	16%
Blue	1	85%	98%	0.75	9	36%
Yellow	-	-	-	-	6	24%

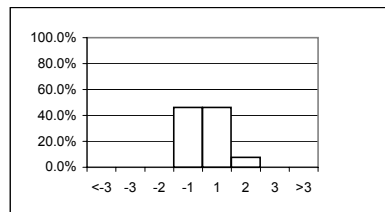
Light Duty Rating Workshop (Sequence V Sludge)

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	92.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	6	46.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	6	46.2%	>3	0.0%
1 lt yi le 2	1	7.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.52
3 lt yi	0	0.0%		
total	13	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

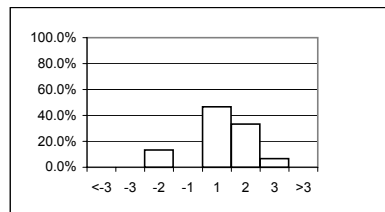
Rater = Cales, Jonathon

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	46.7%
-2 lt yi le -1	2	13.3%	-2 < yi ≤ 2	93.3%
-1 lt yi le 0	0	0.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	7	46.7%	>3	0.0%
1 lt yi le 2	5	33.3%		
2 lt yi le 3	1	6.7%	Overall Yi STD	0.90
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3



Group: Yellow

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

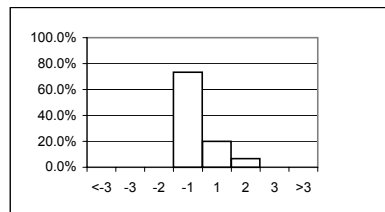
Rater = Caproni, David

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	73.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	20.0%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.54
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

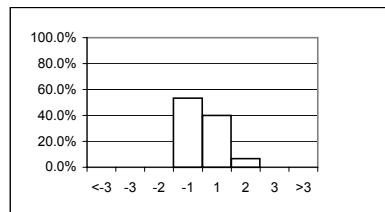
Rater = Castillo, George

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	8	53.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	6	40.0%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.56
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

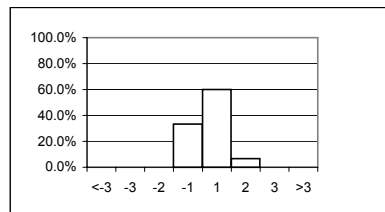
Rater = Foecking, Brian

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	33.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	9	60.0%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.42
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop (Sequence V Sludge)

Yi VALUES

[illegible]

Overall Yi STD	0.36
Parts Rated	1

Number of Children	Percentage of Families
<-3	0.0%
-3	0.0%
-2	0.0%
-1	0.0%
1	95.0%
2	5.0%
3	0.0%
>3	0.0%

Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

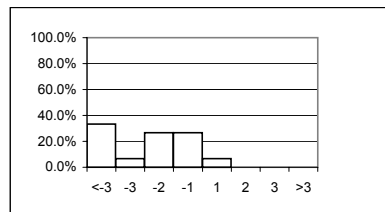
Rater = Hill, John

Yi VALUES

[illegible]

	count	percent		
yi le -3	5	33.3%		
-3 lt yi le -2	1	6.7%	-1 < yi ≤ 1	33.3%
-2 lt yi le -1	4	26.7%	-2 < yi ≤ 2	60.0%
-1 lt yi le 0	4	26.7%	-3 < yi ≤ 3	66.7%
0 lt yi le 1	1	6.7%	>3	33.3%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%	Overall Yi STD	1.59
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Yellow

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

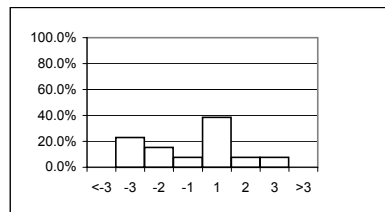
Rater = Hills, Barry

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	3	23.1%	-1 < yi ≤ 1	46.2%
-2 lt yi le -1	2	15.4%	-2 < yi ≤ 2	69.2%
-1 lt yi le 0	1	7.7%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	38.5%	>3	0.0%
1 lt yi le 2	1	7.7%		
2 lt yi le 3	1	7.7%	Overall Yi STD	1.69
3 lt yi	0	0.0%		
total	13	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



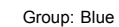
Group: Yellow

Light Duty Rating Workshop (Sequence V Sludge)

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	86.7%
-2 lt yi le -1	1	6.7%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	7	46.7%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	6	40.0%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.69
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3



April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

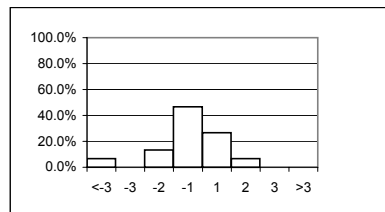
Rater = Lowsky, John

Yi VALUES

[illegible]

	count	percent		
yi le -3	1	6.7%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	73.3%
-2 lt yi le -1	2	13.3%	-2 < yi ≤ 2	93.3%
-1 lt yi le 0	7	46.7%	-3 < yi ≤ 3	93.3%
0 lt yi le 1	4	26.7%	>3	6.7%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.99
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: White

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

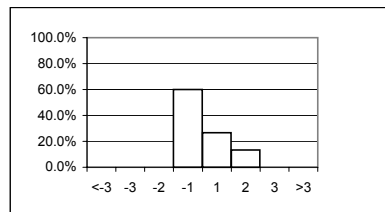
Rater = Pansza, Mike

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	86.7%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	9	60.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	26.7%	>3	0.0%
1 lt yi le 2	2	13.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.76
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Red

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

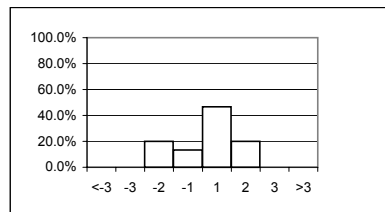
Rater = Pawczuk, Greg

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	60.0%
-2 lt yi le -1	3	20.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	2	13.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	7	46.7%	>3	0.0%
1 lt yi le 2	3	20.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.94
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: White

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

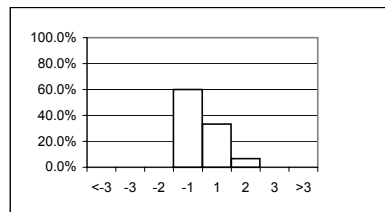
Rater = Radonich, Pete

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	9	60.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	33.3%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.49
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

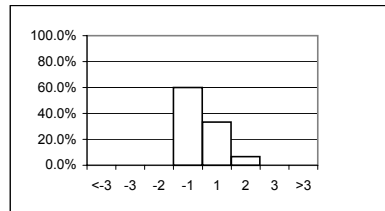
Rater = Ramirez, Robert

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	9	60.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	33.3%	>3	0.0%
1 lt yi le 2	1	6.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.50
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop (Sequence V Sludge)

Yi VALUES

[illegible]

-1 < yi ≤ 1	73.3%
-2 < yi ≤ 2	100.0%
-3 < yi ≤ 3	100.0%
>3	0.0%
Overall Yi STD	1.00
Parts Rated	3

Number of Children	Percentage of Families
<-3	0.0%
-3	0.0%
-2	8.0%
-1	40.0%
0	35.0%
1	20.0%
2	8.0%
3	0.0%
>3	0.0%

Group: White

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

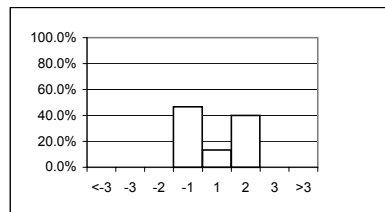
Rater = Seiz, Ray

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	60.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	7	46.7%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	2	13.3%	>3	0.0%
1 lt yi le 2	6	40.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.91
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: White

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

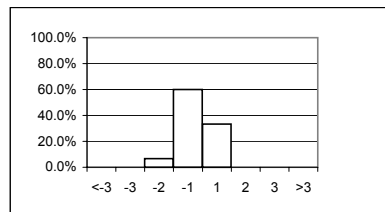
Rater = Tschirhart, Garland

Yi VALUES

[illegible]

	count	percent		
yi le -3	0	0.0%		
3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	93.3%
-2 lt yi le -1	1	6.7%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	9	60.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	33.3%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.65
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

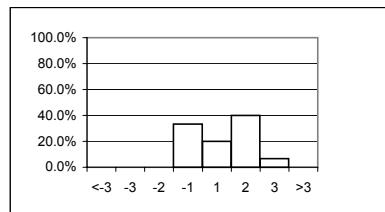
Rater = **Viera, Ralph**

Yi VALUES

[illegible]

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	53.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	93.3%
-1 lt yi le 0	5	33.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	20.0%	>3	0.0%
1 lt yi le 2	6	40.0%		
2 lt yi le 3	1	6.7%	Overall Yi STD	0.85
3 lt yi	0	0.0%		
total	15	100.0%	Parts Rated	3



Group: Yellow

April 10-21, 2005

Light Duty Rating Workshop (Sequence V Sludge)

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	3	100.0%	100.0%	100.0%	0.0%	0.49	Blue	
Avis, Steve	2	92.3%	100.0%	100.0%	0.0%	0.52	Blue	
Cales, Jonathon	3	46.7%	93.3%	100.0%	0.0%	0.90	Yellow	
Caproni, David	3	93.3%	100.0%	100.0%	0.0%	0.54	Blue	
Castillo, George	3	93.3%	100.0%	100.0%	0.0%	0.56	Blue	
Foecking, Brian	3	93.3%	100.0%	100.0%	0.0%	0.42	Blue	
Garcia, Orlando	3	86.7%	93.3%	100.0%	0.0%	0.70	White	
Greenland, Paul	3	86.7%	100.0%	100.0%	0.0%	0.83	Red	
Guarda, Waldyr	1	100.0%	100.0%	100.0%	0.0%	0.36	Blue	
Hill, John	3	33.3%	60.0%	66.7%	33.3%	1.59	Yellow	
Hills, Barry	2	46.2%	69.2%	100.0%	0.0%	1.69	Yellow	
Kobrinetz, Jack	3	86.7%	100.0%	100.0%	0.0%	0.68	Blue	
Lopez, Frank	3	86.7%	100.0%	100.0%	0.0%	0.69	Blue	
Lowsky, John	3	73.3%	93.3%	93.3%	6.7%	0.99	White	
Pansza, Mike	3	86.7%	100.0%	100.0%	0.0%	0.76	Red	
Pawczuk, Greg	3	60.0%	100.0%	100.0%	0.0%	0.94	White	
Radonich, Pete	3	93.3%	100.0%	100.0%	0.0%	0.49	Blue	
Ramirez, Robert	3	93.3%	100.0%	100.0%	0.0%	0.50	Blue	
Rodriguez, Jesse	3	66.7%	80.0%	100.0%	0.0%	1.44	Yellow	
Sanchez, Art	3	73.3%	100.0%	100.0%	0.0%	1.00	White	
Seiz, Ray	3	60.0%	100.0%	100.0%	0.0%	0.91	White	
Tschirhart, Garland	3	93.3%	100.0%	100.0%	0.0%	0.65	Blue	
Viera, Ralph	3	53.3%	93.3%	100.0%	0.0%	0.85	Yellow	
Yanchar, Paul	3	93.3%	100.0%	100.0%	0.0%	0.35	Blue	

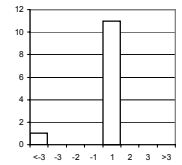
	Minimum Number of Parts Rated	Minimum Yi's within 1 STD of mean	Minimum Yi's within 2 STD of mean	Maximum Overall Yi STD	Group Total	
White	1	60%	90%	1.20	5	21%
Red	1	80%	95%	0.85	2	8%
Blue	1	85%	98%	0.75	12	50%
Yellow	-	-	-	-	5	21%

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Ring Sticking C1

RATED VALUES

	% Ring Sticking															
Tschirhart, Garland	100.00															
Radonich, Pete	100.00															
Castillo, George	100.00															
Foecking, Brian	100.00															
Guarda, Waldyr	100.00															
Garcia, Orlando	100.00															
Pansza, Mike	100.00															
Szynal, Stephen	100.00															
Yanchar, Paul	100.00															
Rodriguez, Jesse	100.00															
Seiz, Ray	100.00															
Sanchez, Art	95.00															
MAXIMUM	100.00															
MINIMUM	95.00															
RANGE (MAX-MIN)	5.00															
MEAN	99.58															
STD	1.44															



yi within 1 91.7%
 yi within 2 91.7%
 yi within 3 91.7%

PART ID = 2 Cycle Calibration - Ring Sticking C1

YI VALUES

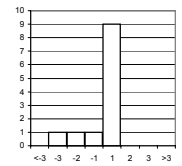
	% Ring Sticking																MEAN	STD
Tschirhart, Garland	0.29																0.29	
Radonich, Pete	0.29																0.29	
Castillo, George	0.29																0.29	
Foecking, Brian	0.29																0.29	
Guarda, Waldyr	0.29																0.29	
Garcia, Orlando	0.29																0.29	
Pansza, Mike	0.29																0.29	
Szynal, Stephen	0.29																0.29	
Yanchar, Paul	0.29																0.29	
Rodriguez, Jesse	0.29																0.29	
Seiz, Ray	0.29																0.29	
Sanchez, Art	-3.18																-3.18	
Yi MAXIMUM	-3.18																-3.18	
Yi MINIMUM	0.29																0.29	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	99.58																	
Ratings STD	1.44																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Ring Sticking C2

RATED VALUES

	% Ring Sticking															
Tschirhart, Garland	50.00															
Radonich, Pete	40.00															
Castillo, George	53.00															
Foecking, Brian	20.00															
Guarda, Waldyr	50.00															
Garcia, Orlando	47.00															
Pansza, Mike	47.50															
Szynal, Stephen	50.00															
Yanchar, Paul	50.00															
Rodriguez, Jesse	50.00															
Seiz, Ray	50.00															
Sanchez, Art	30.00															
MAXIMUM	53.00															
MINIMUM	20.00															
RANGE (MAX-MIN)	33.00															
MEAN	44.79															
STD	9.99															



yi within 1 83.3%
 yi within 2 91.7%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Ring Sticking C2

YI VALUES

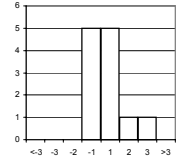
	% Ring Sticking																MEAN	STD
Tschirhart, Garland	0.52																0.52	
Radonich, Pete	-0.48																-0.48	
Castillo, George	0.82																0.82	
Foecking, Brian	-2.48																-2.48	
Guarda, Waldyr	0.52																0.52	
Garcia, Orlando	0.22																0.22	
Pansza, Mike	0.27																0.27	
Szynal, Stephen	0.52																0.52	
Yanchar, Paul	0.52																0.52	
Rodriguez, Jesse	0.52																0.52	
Seiz, Ray	0.52																0.52	
Sanchez, Art	-1.48																-1.48	
Yi MAXIMUM	-2.48																-2.48	
Yi MINIMUM	0.22																0.22	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	44.79																	
Ratings STD	9.99																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Block C1

RATED VALUES

	% Cylinder Block Scuffing															
Tschirhart, Garland	1.00															
Radonich, Pete	1.00															
Castillo, George	0.00															
Foecking, Brian	0.00															
Guarda, Waldyr	1.00															
Garcia, Orlando	1.00															
Pansza, Mike	0.00															
Szynal, Stephen	0.00															
Yanchar, Paul	0.00															
Rodriguez, Jesse	1.00															
Seiz, Ray	3.00															
Sanchez, Art	2.00															
MAXIMUM	3.00															
MINIMUM	0.00															
RANGE (MAX-MIN)	3.00															
MEAN	0.83															
STD	0.94															



yi within 1 83.3%
 yi within 2 91.7%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Block C1

YI VALUES

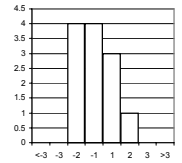
	% Cylinder Block Scuffing																MEAN	STD
Tschirhart, Garland	0.18																0.18	
Radonich, Pete	0.18																0.18	
Castillo, George	-0.89																-0.89	
Foecking, Brian	-0.89																-0.89	
Guarda, Waldyr	0.18																0.18	
Garcia, Orlando	0.18																0.18	
Pansza, Mike	-0.89																-0.89	
Szynal, Stephen	-0.89																-0.89	
Yanchar, Paul	-0.89																-0.89	
Rodriguez, Jesse	0.18																0.18	
Seiz, Ray	2.31																2.31	
Sanchez, Art	1.24																1.24	
Yi MAXIMUM	2.31																2.31	
Yi MINIMUM	0.18																0.18	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	0.83																	
Ratings STD	0.94																	

Light Duty Rating Workshop

PART ID = 2 Cycle Calibration - Block C2

RATED VALUES

	% Cylinder Block Scuffing															
Tschirhart, Garland	2.00															
Radonich, Pete	1.00															
Castillo, George	0.00															
Foecking, Brian	2.00															
Guarda, Waldyr	0.00															
Garcia, Orlando	1.00															
Pansza, Mike	1.00															
Szynal, Stephen	1.00															
Yanchar, Paul	0.00															
Rodriguez, Jesse	0.00															
Seiz, Ray	2.00															
Sanchez, Art	3.00															
MAXIMUM	3.00															
MINIMUM	0.00															
RANGE (MAX-MIN)	3.00															
MEAN	1.08															
STD	1.00															



yi within 1 58.3%
 yi within 2 100.0%
 yi within 3 100.0%

PART ID = 2 Cycle Calibration - Block C2

YI VALUES

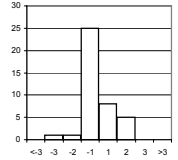
	% Cylinder Block Scuffing																MEAN	STD
Tschirhart, Garland	0.92																0.92	
Radonich, Pete	-0.08																-0.08	
Castillo, George	-1.09																-1.09	
Foecking, Brian	0.92																0.92	
Guarda, Waldyr	-1.09																-1.09	
Garcia, Orlando	-0.08																-0.08	
Pansza, Mike	-0.08																-0.08	
Szynal, Stephen	-0.08																-0.08	
Yanchar, Paul	-1.09																-1.09	
Rodriguez, Jesse	-1.09																-1.09	
Seiz, Ray	0.92																0.92	
Sanchez, Art	1.92																1.92	
Yi MAXIMUM	1.92																1.92	
Yi MINIMUM	-0.08																-0.08	
Yi MEAN	0.00																	
Yi STD	1.00																	
Ratings MEAN	1.08																	
Ratings STD	1.00																	

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N1-R1

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.09	0.00	4.00	2.00	0.00											
Radonich, Pete	8.30	0.00	3.00	2.00	0.00											
Tschirhart, Garland	8.30	0.00	4.00	5.00	0.00											
Foecking, Brian	7.80	0.00	6.00	4.00	0.00											
Szynal, Stephen	8.12	0.00	5.00	2.00	0.00											
Pansza, Mike	7.88	0.00	4.00	3.00	1.00											
Seiz, Ray	6.91	0.00	5.00	2.00	1.00											
Yanchar, Paul	7.90	0.00	7.00	2.00	0.00											
MAXIMUM	8.30	0.00	7.00	5.00	1.00											
MINIMUM	6.91	0.00	3.00	2.00	0.00											
RANGE (MAX-MIN)	1.39	0.00	4.00	3.00	1.00											
MEAN	7.91	0.00	4.75	2.75	0.25											
STD	0.45	0.00	1.28	1.16	0.46											



PART ID = 2-Cycle Combustion Chamber N1-R1

Yi VALUES

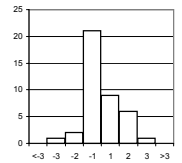
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.40	0.00	-0.59	-0.64	-0.54												-0.27	0.46
Radonich, Pete	0.87	0.00	-1.37	-0.64	-0.54												-0.34	0.83
Tschirhart, Garland	0.87	0.00	-0.59	1.93	-0.54												0.33	1.07
Foecking, Brian	-0.25	0.00	0.98	1.07	-0.54												0.25	0.73
Szynal, Stephen	0.47	0.00	0.20	-0.64	-0.54												-0.10	0.48
Pansza, Mike	-0.07	0.00	-0.59	0.21	1.62												0.24	0.83
Seiz, Ray	-2.25	0.00	0.20	-0.64	1.62												-0.22	1.40
Yanchar, Paul	-0.03	0.00	1.76	-0.64	-0.54												0.11	0.97
Yi MAXIMUM	-2.25	0.00	1.76	1.93	1.62												-0.34	1.40
Yi MINIMUM	-0.03	0.00	0.20	0.21	-0.54												-0.10	0.46
Yi MEAN	0.00	0.00	0.00	0.00	0.00													
Yi STD	1.00	0.00	1.00	1.00	1.00													
Ratings MEAN	7.91	0.00	4.75	2.75	0.25													
Ratings STD	0.45	0.00	1.28	1.16	0.46													

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N2-R2

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	9.30	30.00	8.00	0.00	0.00											
Radonich, Pete	9.34	25.00	9.00	1.00	0.00											
Tschirhart, Garland	9.40	23.00	9.00	2.00	0.00											
Foecking, Brian	9.35	30.00	1.00	0.00	0.00											
Szynal, Stephen	9.20	30.00	1.00	0.00	0.00											
Pansza, Mike	8.87	37.00	7.00	1.00	0.00											
Seiz, Ray	9.35	37.00	2.00	3.00	3.00											
Yanchar, Paul	9.38	37.00	1.00	1.00	0.00											
MAXIMUM	9.40	37.00	9.00	3.00	3.00											
MINIMUM	8.87	23.00	1.00	0.00	0.00											
RANGE (MAX-MIN)	0.53	14.00	8.00	3.00	3.00											
MEAN	9.27	31.13	4.75	1.00	0.38											
STD	0.17	5.49	3.81	1.07	1.06											



PART ID = 2-Cycle Combustion Chamber N2-R2

Yi VALUES

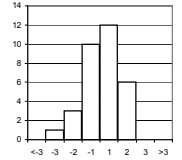
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.15	-0.20	0.85	-0.94	-0.35												-0.10	0.66
Radonich, Pete	0.38	-1.12	1.12	0.00	-0.35												0.01	0.83
Tschirhart, Garland	0.72	-1.48	1.12	0.94	-0.35												0.19	1.09
Foecking, Brian	0.44	-0.20	-0.98	-0.94	-0.35												-0.41	0.59
Szynal, Stephen	-0.42	-0.20	-0.98	-0.94	-0.35												-0.58	0.36
Pansza, Mike	-2.32	1.07	0.59	0.00	-0.35												-0.20	1.30
Seiz, Ray	0.44	1.07	-0.72	1.87	2.47												1.03	1.25
Yanchar, Paul	0.61	1.07	-0.98	0.00	-0.35												0.07	0.80
Yi MAXIMUM	-2.32	-1.48	1.12	1.87	2.47												1.03	1.30
Yi MINIMUM	0.15	-0.20	0.59	0.00	-0.35												0.01	0.36
Yi MEAN	0.00	0.00	0.00	0.00	0.00													
Yi STD	1.00	1.00	1.00	1.00	1.00													
Ratings MEAN	9.27	31.13	4.75	1.00	0.38													
Ratings STD	0.17	5.49	3.81	1.07	1.06													

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N3-R3

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.52	100.00	4.00	0.00												
Radonich, Pete	8.40	100.00	3.00	0.00												
Tschirhart, Garland	8.50	100.00	3.00	1.00												
Foecking, Brian	8.50	95.00	7.00	1.00												
Szynal, Stephen	8.20	100.00	6.00	1.00												
Pansza, Mike	8.42	100.00	7.00	0.00												
Seiz, Ray	8.46	100.00	5.00	0.00												
Yanchar, Paul	8.70	100.00	4.00	0.00												
MAXIMUM	8.70	100.00	7.00	1.00												
MINIMUM	8.20	95.00	3.00	0.00												
RANGE (MAX-MIN)	0.50	5.00	4.00	1.00												
MEAN	8.46	99.38	4.88	0.38												
STD	0.14	1.77	1.64	0.52												



PART ID = 2-Cycle Combustion Chamber N3-R3

Yi VALUES

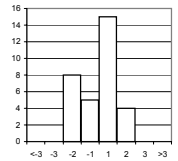
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.41	0.35	-0.53	-0.72													-0.12	0.59
Radonich, Pete	-0.45	0.35	-1.14	-0.72													-0.49	0.63
Tschirhart, Garland	0.27	0.35	-1.14	1.21													0.17	0.97
Foecking, Brian	0.27	-2.47	1.29	1.21													0.07	1.76
Szynal, Stephen	-1.88	0.35	0.69	1.21													0.09	1.36
Pansza, Mike	-0.30	0.35	1.29	-0.72													0.15	0.88
Seiz, Ray	-0.02	0.35	0.08	-0.72													-0.08	0.46
Yanchar, Paul	1.70	0.35	-0.53	-0.72													0.20	1.10
Yi MAXIMUM	-1.88	-2.47	1.29	1.21													-0.49	1.76
Yi MINIMUM	-0.02	0.35	0.08	-0.72													0.07	0.46
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	8.46	99.38	4.88	0.38														
Ratings STD	0.14	1.77	1.64	0.52														

Light Duty Rating Workshop

PART ID = 2-Cycle Combustion Chamber N4-R4

RATED VALUES

	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing											
Castillo, George	8.60	30.00	2.00	0.00												
Radonich, Pete	8.60	25.00	2.00	0.00												
Tschirhart, Garland	8.60	22.00	2.00	1.00												
Foecking, Brian	8.35	20.00	2.00	2.00												
Szynal, Stephen	8.25	20.00	1.00	1.00												
Pansza, Mike	8.65	23.00	0.00	1.00												
Seiz, Ray	8.13	30.00	1.00	0.00												
Yanchar, Paul	8.80	25.00	2.00	1.00												
MAXIMUM	8.80	30.00	2.00	2.00												
MINIMUM	8.13	20.00	0.00	0.00												
RANGE (MAX-MIN)	0.67	10.00	2.00	2.00												
MEAN	8.50	24.38	1.50	0.75												
STD	0.23	3.96	0.76	0.71												



PART ID = 2-Cycle Combustion Chamber N4-R4

Yi VALUES

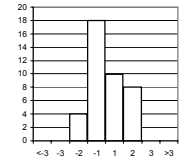
	Average Deposits	% Ring Sticking	% Exhaust Port Plugging	% Piston Skirt Scuffing	% Cylinder Block Scuffing												MEAN	STD
Castillo, George	0.45	1.42	0.66	-1.06													0.37	1.04
Radonich, Pete	0.45	0.16	0.66	-1.06													0.05	0.77
Tschirhart, Garland	0.45	-0.60	0.66	0.35													0.22	0.56
Foecking, Brian	-0.65	-1.10	0.66	1.77													0.17	1.30
Szynal, Stephen	-1.08	-1.10	-0.66	0.35													-0.62	0.68
Pansza, Mike	0.67	-0.35	-1.98	0.35													-0.33	1.18
Seiz, Ray	-1.61	1.42	-0.66	-1.06													-0.48	1.32
Yanchar, Paul	1.33	0.16	0.66	0.35													0.62	0.51
Yi MAXIMUM	-1.61	1.42	-1.98	1.77													0.62	1.32
Yi MINIMUM	0.45	0.16	-0.66	0.35													0.05	0.51
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	8.50	24.38	1.50	0.75														
Ratings STD	0.23	3.96	0.76	0.71														

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M1

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	3.90	8.40	2.00	2.60	7.60	6.70	8.00	7.50								
Radonich, Pete	2.10	7.50	1.70	2.20	8.20	6.80	7.90	7.30								
Szynal, Stephen	2.60	7.89	2.36	2.55	7.82	6.35	6.50	7.22								
Seiz, Ray	4.77	8.53	3.94	4.75	7.98	8.47	8.63	6.60								
Yanchar, Paul	1.96	6.83	2.15	2.08	7.18	7.02	7.76	6.80								
MAXIMUM	4.77	8.53	3.94	4.75	8.20	8.47	8.63	7.50								
MINIMUM	1.96	6.83	1.70	2.08	7.18	6.35	6.50	6.60								
RANGE (MAX-MIN)	2.81	1.70	2.24	2.67	1.02	2.12	2.13	0.90								
MEAN	3.07	7.83	2.43	2.84	7.76	7.07	7.76	7.08								
STD	1.22	0.69	0.88	1.09	0.39	0.82	0.78	0.37								



yi within 1 70%
 yi within 2 100%
 yi within 3 100%

PART ID = 2-Cycle Piston M1

Yi VALUES

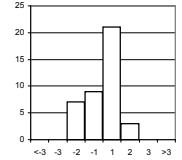
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.68	0.82	-0.49	-0.22	-0.40	-0.45	0.31	1.12									0.17	0.64
Radonich, Pete	-0.79	-0.48	-0.83	-0.58	1.14	-0.33	0.18	0.58									-0.14	0.71
Szynal, Stephen	-0.38	0.09	-0.08	-0.26	0.16	-0.88	-1.62	0.37									-0.32	0.65
Seiz, Ray	1.39	1.01	1.72	1.75	0.57	1.71	1.12	-1.30									1.00	1.02
Yanchar, Paul	-0.91	-1.44	-0.32	-0.69	-1.48	-0.06	0.00	-0.76									-0.71	0.57
Yi MAXIMUM	1.39	-1.44	1.72	1.75	-1.48	1.71	-1.62	-1.30									1.00	1.02
Yi MINIMUM	-0.38	0.09	-0.08	-0.22	0.16	-0.06	0.00	0.37									-0.14	0.57
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	3.07	7.83	2.43	2.84	7.76	7.07	7.76	7.08										
Ratings STD	1.22	0.69	0.88	1.09	0.39	0.82	0.78	0.37										

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M2

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	5.38	8.00	5.06	2.98	8.60	6.90	8.10	8.30								
Radonich, Pete	5.00	7.50	7.80	5.60	8.53	7.50	8.50	7.60								
Szynal, Stephen	5.54	8.15	6.66	4.11	8.50	7.30	8.44	8.13								
Seiz, Ray	6.24	7.75	6.26	7.20	8.00	7.65	8.13	6.37								
Yanchar, Paul	4.11	7.24	5.08	7.00	8.38	7.52	7.36	7.63								
MAXIMUM	6.24	8.15	7.80	7.20	8.60	7.65	8.50	8.30								
MINIMUM	4.11	7.24	5.06	2.98	8.00	6.90	7.36	6.37								
RANGE (MAX-MIN)	2.13	0.91	2.74	4.22	0.60	0.75	1.14	1.93								
MEAN	5.25	7.73	6.17	5.38	8.40	7.37	8.11	7.61								
STD	0.78	0.37	1.15	1.83	0.24	0.29	0.45	0.76								



PART ID = 2-Cycle Piston M2

Yi VALUES

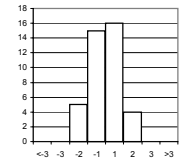
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.16	0.74	-0.96	-1.31	0.83	-1.62	-0.01	0.92									-0.16	1.01
Radonich, Pete	-0.33	-0.62	1.41	0.12	0.54	0.43	0.87	-0.01									0.30	0.65
Szynal, Stephen	0.37	1.15	0.42	-0.69	0.41	-0.25	0.74	0.69									0.35	0.58
Seiz, Ray	1.26	0.06	0.08	1.00	-1.69	0.94	0.05	-1.64									0.01	1.13
Yanchar, Paul	-1.46	-1.32	-0.95	0.89	-0.09	0.50	-1.64	0.03									-0.51	0.96
Yi MAXIMUM	-1.46	-1.32	1.41	-1.31	-1.69	-1.62	-1.64	-1.64									-0.51	1.13
Yi MINIMUM	0.16	0.06	0.08	0.12	-0.09	-0.25	-0.01	-0.01									0.01	0.58
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	5.25	7.73	6.17	5.38	8.40	7.37	8.11	7.61										
Ratings STD	0.78	0.37	1.15	1.83	0.24	0.29	0.45	0.76										

Light Duty Rating Workshop

PART ID = 2-Cycle Piston M3

RATED VALUES

	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top								
Foecking, Brian	7.50	8.70	3.50	4.03	8.11	8.30	8.20	8.00								
Radonich, Pete	7.40	8.50	4.40	4.20	8.40	8.30	8.80	8.20								
Szynal, Stephen	7.25	8.55	3.51	4.27	8.25	8.44	8.27	8.37								
Seiz, Ray	7.11	8.32	4.60	3.90	9.12	7.74	8.17	6.46								
Yanchar, Paul	5.30	8.22	3.90	3.37	8.36	8.12	8.16	7.52								
MAXIMUM	7.50	8.70	4.60	4.27	9.12	8.44	8.80	8.37								
MINIMUM	5.30	8.22	3.50	3.37	8.11	7.74	8.16	6.46								
RANGE (MAX-MIN)	2.20	0.48	1.10	0.90	1.01	0.70	0.64	1.91								
MEAN	6.91	8.46	3.98	3.95	8.45	8.18	8.32	7.71								
STD	0.91	0.19	0.50	0.36	0.39	0.27	0.27	0.77								



PART ID = 2-Cycle Piston M3

Yi VALUES

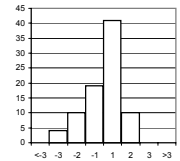
	Groove 1	Groove 2	Crown Land	Land 2	Piston Skirt (In.)	Piston Skirt (Ex.)	Underside	Piston Top									MEAN	STD
Foecking, Brian	0.64	1.27	-0.96	0.21	-0.86	0.44	-0.44	0.38									0.09	0.78
Radonich, Pete	0.53	0.22	0.83	0.69	-0.12	0.44	1.77	0.64									0.62	0.55
Szynal, Stephen	0.37	0.48	-0.94	0.88	-0.50	0.96	-0.18	0.86									0.24	0.71
Seiz, Ray	0.22	-0.73	1.22	-0.15	1.71	-1.62	-0.55	-1.63									-0.19	1.22
Yanchar, Paul	-1.77	-1.25	-0.16	-1.64	-0.22	-0.22	-0.59	-0.25									-0.76	0.68
Yi MAXIMUM	-1.77	1.27	1.22	-1.64	1.71	-1.62	1.77	-1.63									-0.76	1.22
Yi MINIMUM	0.22	0.22	-0.16	-0.15	-0.12	-0.22	-0.18	-0.25									0.09	0.55
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	6.91	8.46	3.98	3.95	8.45	8.18	8.32	7.71										
Ratings STD	0.91	0.19	0.50	0.36	0.39	0.27	0.27	0.77										

Light Duty Rating Workshop

PART ID = Induction/Combustion Calibration

RATED VALUES

	Valve C-1	Valve C-2	Piston C-1	Piston C-2												
Guarda, Waldyr	9.80	7.60	8.43	8.83												
Tschirhart, Garland	9.80	7.10	8.65	9.30												
Radonich, Pete	9.80	7.40	8.30	9.20												
Castillo, George	9.70	6.80	8.40	8.30												
Foecking, Brian	9.90	7.30	8.65	8.90												
Lopez, Frank	9.80	7.40	8.54	8.71												
Garcia, Orlando	9.70	7.70	7.76	7.96												
Kobrinetz, Jack	9.80	7.50	7.80	8.28												
Pansza, Mike	9.63	7.64	8.51	8.42												
Sessions, Gwen	9.86	7.60	7.90	8.49												
Anderson, Richard	9.85	7.50	7.90	8.49												
Lowsky, John	9.85	6.90	7.78	8.29												
Adams, Pat	9.60	7.60	7.90	7.75												
Avis, Steve	9.80	7.60	7.08	8.08												
Ramirez, Robert	9.80	7.60	8.60	8.80												
Seiz, Ray	9.80	7.35	8.68	8.63												
Yanchar, Paul	9.80	7.70	8.30	9.00												
Pawczuk, Greg	9.80	7.80	7.43	8.10												
Rodriguez, Jesse	9.80	7.40	8.20	8.62												
Sanchez, Art	9.70	7.50	7.30	7.65												
Hill, John	9.90	7.80	8.50	8.85												
MAXIMUM	9.90	7.80	8.68	9.30												
MINIMUM	9.60	6.80	7.08	7.65												
RANGE (MAX-MIN)	0.30	1.00	1.60	1.65												
MEAN	9.79	7.47	8.12	8.51												
STD	0.08	0.27	0.48	0.45												



yi within 1 71.4%
 yi within 2 95.2%
 yi within 3 100.0%

PART ID = Induction/Combustion Calibration

YI VALUES

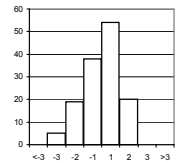
	Valve C-1	Valve C-2	Piston C-1	Piston C-2													MEAN	STD
Guarda, Waldyr	0.19	0.50	0.64	0.72													0.51	0.24
Tschirhart, Garland	0.19	-1.38	1.10	1.78													0.42	1.37
Radonich, Pete	0.19	-0.25	0.37	1.55													0.46	0.77
Castillo, George	-1.09	-2.51	0.58	-0.46													-0.87	1.29
Foecking, Brian	1.46	-0.63	1.10	0.88													0.70	0.92
Lopez, Frank	0.19	-0.25	0.87	0.45													0.32	0.47
Garcia, Orlando	-1.09	0.88	-0.76	-1.23													-0.55	0.97
Kobrinetz, Jack	0.19	0.13	-0.68	-0.51													-0.22	0.44
Pansza, Mike	-1.98	0.66	0.81	-0.20													-0.18	1.28
Sessions, Gwen	0.95	0.50	-0.47	-0.04													0.24	0.62
Anderson, Richard	0.83	0.13	-0.47	-0.04													0.11	0.54
Lowsky, John	0.83	-2.13	-0.72	-0.49													-0.63	1.21
Adams, Pat	-2.36	0.50	-0.47	-1.70													-1.01	1.28
Avis, Steve	0.19	0.50	-2.19	-0.96													-0.61	1.22
Ramirez, Robert	0.19	0.50	1.00	0.66													0.59	0.34
Seiz, Ray	0.19	-0.44	1.17	0.28													0.30	0.66
Yanchar, Paul	0.19	0.88	0.37	1.10													0.64	0.43
Pawczuk, Greg	0.19	1.26	-1.46	-0.91													-0.23	1.21
Rodriguez, Jesse	0.19	-0.25	0.16	0.25													0.09	0.23
Sanchez, Art	-1.09	0.13	-1.73	-1.92													-1.15	0.92
Hill, John	1.46	1.26	0.79	0.77													1.07	0.35
Yi MAXIMUM	-2.36	-2.51	-2.19	-1.92													-1.15	1.37
Yi MINIMUM	0.19	0.13	0.16	-0.04													0.09	0.23
Yi MEAN	0.00	0.00	0.00	0.00														
Yi STD	1.00	1.00	1.00	1.00														
Ratings MEAN	9.79	7.47	8.12	8.51														
Ratings STD	0.08	0.27	0.48	0.45														

Light Duty Rating Workshop

PART ID = Induction/Combustion Combustion Chamber

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	8.47	8.52	8.58	8.44	8.61	8.39	8.43	8.55								
Radonich, Pete	8.80	8.85	8.88	8.70	8.70	8.60	8.65	8.80								
Tschirhart, Garland	8.70	8.50	8.60	8.50	8.30	8.30	8.30	8.30								
Kobrinetz, Jack	8.20	8.20	8.42	8.23	8.24	8.10	8.06	8.26								
Lopez, Frank	8.45	8.25	8.50	8.14	8.22	7.83	7.82	8.10								
Foecking, Brian	8.60	8.70	8.60	8.70	8.60	8.50	8.20	8.70								
Session, Gwen	8.50	7.90	8.30	7.50	7.30	7.70	7.00	8.60								
Anderson, Richard	8.50	7.90	8.30	7.50	7.30	7.20	7.00	8.50								
Pansza, Mike	8.80	8.60	8.60	8.70	8.50	8.60	8.70	8.80								
Lowsky, John	8.52	8.39	8.58	8.41	8.20	8.12	8.07	8.35								
Hill, John	8.78	9.05	8.99	8.56	8.69	8.46	8.42	8.63								
Adams, Pat	8.24	8.10	8.23	8.18	8.28	7.70	7.80	8.07								
Ramirez, Robert	8.51	8.40	8.33	8.25	8.22	8.10	7.91	8.12								
Rodriguez, Jesse	8.38	7.88	8.19	7.93	7.92	7.52	7.38	8.10								
Pawczuk, Greg	8.25	8.18	8.83	8.49	8.18	8.21	7.91	8.24								
Yanchar, Paul	8.85	8.56	8.70	8.65	7.90	7.80	7.90	8.50								
Seiz, Ray	8.74	8.85	8.62	8.78	8.30	8.50	8.20	8.25								
MAXIMUM	8.85	9.05	8.99	8.78	8.70	8.60	8.70	8.80								
MINIMUM	8.20	7.88	8.19	7.50	7.30	7.20	7.00	8.07								
RANGE (MAX-MIN)	0.65	1.17	0.80	1.28	1.40	1.40	1.70	0.73								
MEAN	8.55	8.40	8.54	8.33	8.20	8.10	7.99	8.40								
STD	0.21	0.35	0.23	0.39	0.41	0.41	0.50	0.25								



yi within 1 67.6%
 yi within 2 96.3%
 yi within 3 100.0%

PART ID = Induction/Combustion Combustion Chamber

Yi VALUES

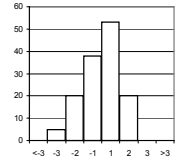
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	-0.37	0.34	0.16	0.27	0.98	0.71	0.90	0.59									0.45	0.44
Radonich, Pete	1.22	1.27	1.46	0.94	1.20	1.22	1.34	1.59									1.28	0.19
Tschirhart, Garland	0.74	0.28	0.24	0.43	0.23	0.50	0.63	-0.42									0.33	0.35
Kobrinetz, Jack	-1.67	-0.57	-0.54	-0.26	0.09	0.01	0.15	-0.58									-0.42	0.59
Lopez, Frank	-0.46	-0.43	-0.19	-0.49	0.04	-0.65	-0.33	-1.22									-0.47	0.37
Foecking, Brian	0.26	0.85	0.24	0.94	0.96	0.98	0.43	1.19									0.73	0.36
Session, Gwen	-0.22	-1.43	-1.06	-2.13	-2.19	-0.96	-1.99	0.79									-1.15	1.03
Anderson, Richard	-0.22	-1.43	-1.06	-2.13	-2.19	-2.17	-1.99	0.38									-1.35	0.98
Pansza, Mike	1.22	0.56	0.24	0.94	0.72	1.22	1.44	1.59									0.99	0.46
Lowsky, John	-0.13	-0.03	0.16	0.20	-0.01	0.06	0.17	-0.22									0.02	0.15
Hill, John	1.12	1.84	1.94	0.58	1.18	0.88	0.88	0.91									1.17	0.48
Adams, Pat	-1.48	-0.86	-1.37	-0.39	0.19	-0.96	-0.37	-1.34									-0.82	0.59
Ramirez, Robert	-0.18	-0.01	-0.93	-0.21	0.04	0.01	-0.15	-1.14									-0.32	0.45
Rodriguez, Jesse	-0.80	-1.48	-1.54	-1.03	-0.69	-1.40	-1.22	-1.22									-1.17	0.31
Pawczuk, Greg	-1.43	-0.63	1.25	0.40	-0.06	0.28	-0.15	-0.66									-0.13	0.81
Yanchar, Paul	1.46	0.45	0.68	0.81	-0.74	-0.72	-0.17	0.38									0.27	0.77
Seiz, Ray	0.93	1.27	0.33	1.14	0.23	0.98	0.43	-0.62									0.59	0.62
Yi MAXIMUM	-1.67	1.84	1.94	-2.13	-2.19	-2.17	-1.99	1.59									-1.35	1.03
Yi MINIMUM	-0.13	-0.01	0.16	0.20	-0.01	0.01	0.15	-0.22									0.02	0.15
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.55	8.40	8.54	8.33	8.20	8.10	7.99	8.40										
Ratings STD	0.21	0.35	0.23	0.39	0.41	0.41	0.50	0.25										

Light Duty Rating Workshop

PART ID = Induction/Combustion Intake Manifold Runner

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	7.45	7.91	7.26	7.90	7.96	7.96	8.02	8.00								
Radonich, Pete	8.10	8.00	8.20	8.30	8.30	8.30	8.20	8.10								
Tschirhart, Garland	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41								
Kobrinetz, Jack	7.60	7.55	7.26	7.58	7.79	7.94	8.12	7.96								
Lopez, Frank	6.00	6.15	6.50	6.50	6.50	6.50	6.67	6.50								
Foecking, Brian	7.40	7.20	7.00	7.30	7.60	7.70	7.50	7.40								
Sessions, Gwen	7.00	7.50	7.00	7.50	7.50	7.50	7.50	7.50								
Anderson, Richard	7.50	7.50	7.50	7.50	7.75	7.75	7.75	7.75								
Pansza, Mike	7.80	7.70	7.60	7.60	8.10	8.20	8.00	7.80								
Lowsky, John	7.24	8.13	7.94	8.02	7.98	8.13	8.02	7.90								
Hill, John	8.75	8.75	8.75	8.75	8.25	8.25	8.25	8.25								
Adams, Pat	5.71	6.60	7.40	7.60	7.50	7.50	7.90	7.90								
Ramirez, Robert	8.41	8.27	8.25	8.02	8.70	8.68	8.65	8.90								
Rodriguez, Jesse	6.80	6.70	6.70	6.80	6.90	6.80	6.80	6.80								
Pawczuk, Greg	7.48	7.08	7.37	7.62	7.90	8.40	8.15	7.70								
Yanchar, Paul	6.50	6.70	6.60	6.70	6.80	7.00	7.20	7.00								
Seiz, Ray	8.03	8.20	8.40	8.60	8.30	8.60	8.60	8.60								
MAXIMUM	8.75	8.75	8.75	8.75	8.70	8.68	8.65	8.90								
MINIMUM	5.71	6.15	6.50	6.50	6.50	6.50	6.67	6.50								
RANGE (MAX-MIN)	3.04	2.60	2.25	2.25	2.20	2.18	1.98	2.40								
MEAN	7.42	7.55	7.54	7.69	7.78	7.86	7.87	7.79								
STD	0.83	0.73	0.69	0.64	0.60	0.63	0.57	0.62								



yi within 1 66.9%
 yi within 2 96.3%
 yi within 3 100.0%

PART ID = Induction/Combustion Intake Manifold Runner

YI VALUES

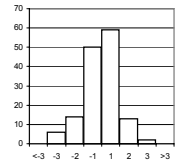
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	0.03	0.49	-0.40	0.33	0.30	0.16	0.27	0.33									0.19	0.28
Radonich, Pete	0.81	0.62	0.97	0.96	0.87	0.70	0.58	0.49									0.75	0.18
Tschirhart, Garland	1.18	1.18	1.27	1.13	1.05	0.87	0.95	0.99									1.08	0.14
Kobrinetz, Jack	0.21	0.00	-0.40	-0.17	0.02	0.13	0.44	0.27									0.06	0.27
Lopez, Frank	-1.71	-1.92	-1.51	-1.86	-2.13	-2.15	-2.10	-2.08									-1.93	0.23
Foecking, Brian	-0.03	-0.48	-0.78	-0.61	-0.30	-0.25	-0.64	-0.63									-0.47	0.25
Sessions, Gwen	-0.51	-0.07	-0.78	-0.29	-0.46	-0.57	-0.64	-0.47									-0.48	0.22
Anderson, Richard	0.09	-0.07	-0.05	-0.29	-0.05	-0.17	-0.21	-0.07									-0.10	0.12
Pansza, Mike	0.45	0.21	0.09	-0.14	0.54	0.54	0.23	0.01									0.24	0.25
Lowsky, John	-0.22	0.80	0.59	0.52	0.34	0.43	0.27	0.17									0.36	0.30
Hill, John	1.59	1.65	1.77	1.66	0.79	0.62	0.67	0.74									1.18	0.52
Adams, Pat	-2.05	-1.31	-0.20	-0.14	-0.46	-0.57	0.06	0.17									-0.56	0.76
Ramirez, Robert	1.18	0.99	1.04	0.52	1.54	1.30	1.37	1.78									1.21	0.38
Rodriguez, Jesse	-0.75	-1.17	-1.22	-1.39	-1.47	-1.68	-1.87	-1.60									-1.39	0.35
Pawczuk, Greg	0.07	-0.65	-0.24	-0.11	0.20	0.86	0.50	-0.15									0.06	0.46
Yanchar, Paul	-1.11	-1.17	-1.37	-1.54	-1.63	-1.36	-1.17	-1.27									-1.33	0.19
Seiz, Ray	0.73	0.89	1.26	1.43	0.87	1.17	1.28	1.30									1.12	0.25
Yi MAXIMUM	-2.05	-1.92	1.77	-1.86	-2.13	-2.15	-2.10	-2.08									-1.93	0.76
Yi MINIMUM	-0.03	0.00	-0.05	-0.11	0.02	0.13	0.06	0.01									0.06	0.12
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.42	7.55	7.54	7.69	7.78	7.86	7.87	7.79										
Ratings STD	0.83	0.73	0.69	0.64	0.60	0.63	0.57	0.62										

Light Duty Rating Workshop

PART ID = Induction/Combustion Piston Tops

RATED VALUES

	1	2	3	4	5	6	7	8								
Garcia, Orlando	8.02	9.03	7.78	9.34	9.16	9.03	7.94	9.20								
Radonich, Pete	8.30	9.15	8.20	9.40	9.37	9.15	8.40	9.25								
Tschirhart, Garland	8.40	9.30	8.40	9.50	9.45	9.18	8.22	9.18								
Kobrinetz, Jack	7.85	8.88	7.80	9.53	9.35	9.20	7.70	9.36								
Lopez, Frank	8.45	9.06	7.10	9.60	9.05	8.91	8.10	9.10								
Foecking, Brian	7.85	9.30	7.80	9.45	9.40	9.35	7.80	9.20								
Sessions, Gwen	7.80	9.35	7.90	9.50	9.20	9.00	8.00	9.60								
Anderson, Richard	7.80	9.35	7.90	9.50	9.25	9.00	8.00	9.60								
Pansza, Mike	8.20	8.90	8.10	9.30	9.20	8.80	8.00	8.70								
Lowsky, John	7.70	8.89	7.60	9.16	8.86	8.59	7.70	8.67								
Hill, John	8.87	9.28	8.76	9.50	9.65	9.26	8.78	9.45								
Adams, Pat	8.03	9.10	7.85	9.50	9.35	9.15	7.95	9.35								
Ramirez, Robert	8.39	9.08	8.40	9.42	9.19	9.06	9.20	8.25								
Seiz, Ray	7.76	8.47	7.10	9.33	9.19	8.74	6.89	9.01								
Rodriguez, Jesse	8.38	9.20	8.33	9.59	9.26	9.13	8.37	9.38								
Pawczuk, Greg	7.92	9.33	7.23	9.37	8.84	9.27	7.65	9.28								
Yanchar, Paul	7.80	9.25	7.50	9.45	9.35	9.20	7.40	9.30								
Sanchez, Art	7.90	9.32	8.35	9.42	9.44	9.40	8.28	9.60								
MAXIMUM	8.87	9.35	8.76	9.60	9.65	9.40	9.20	9.60								
MINIMUM	7.70	8.47	7.10	9.16	8.84	8.59	6.89	8.25								
RANGE (MAX-MIN)	1.17	0.88	1.66	0.44	0.81	0.81	2.31	1.35								
MEAN	8.08	9.12	7.89	9.44	9.25	9.08	8.02	9.19								
STD	0.32	0.23	0.47	0.11	0.20	0.21	0.51	0.35								



yi within 1 75.7%
 yi within 2 94.4%
 yi within 3 100.0%

PART ID = Induction/Combustion Piston Tops

Yi VALUES

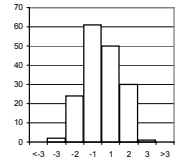
	1.000	2	3	4	5	6	7	8									MEAN	STD
Garcia, Orlando	-0.18	-0.41	-0.24	-0.89	-0.47	-0.23	-0.16	0.02									-0.32	0.27
Radonich, Pete	0.69	0.11	0.65	-0.34	0.58	0.34	0.74	0.16									0.37	0.37
Tschirhart, Garland	1.00	0.76	1.07	0.58	0.98	0.48	0.39	-0.04									0.65	0.38
Kobrinetz, Jack	-0.71	-1.06	-0.20	0.86	0.48	0.57	-0.63	0.47									-0.03	0.72
Lopez, Frank	1.15	-0.28	-1.69	1.50	-1.01	-0.79	0.15	-0.26									-0.15	1.07
Foecking, Brian	-0.71	0.76	-0.20	0.12	0.73	1.27	-0.43	0.02									0.20	0.67
Sessions, Gwen	-0.87	0.98	0.01	0.58	-0.27	-0.37	-0.04	1.15									0.15	0.70
Anderson, Richard	-0.87	0.98	0.01	0.58	-0.02	-0.37	-0.04	1.15									0.18	0.68
Pansza, Mike	0.38	-0.98	0.44	-1.25	-0.27	-1.31	-0.04	-1.40									-0.55	0.77
Lowsky, John	-1.18	-1.02	-0.63	-2.54	-1.96	-2.29	-0.63	-1.48									-1.47	0.73
Hill, John	2.46	0.68	1.84	0.58	1.98	0.85	1.49	0.73									1.32	0.71
Adams, Pat	-0.15	-0.11	-0.09	0.58	0.48	0.34	-0.14	0.44									0.17	0.32
Ramirez, Robert	0.97	-0.19	1.07	-0.15	-0.32	-0.09	2.31	-2.67									0.12	1.45
Seiz, Ray	-0.99	-2.85	-1.69	-0.98	-0.32	-1.59	-2.22	-0.52									-1.39	0.86
Rodriguez, Jesse	0.93	0.33	0.92	1.41	0.03	0.24	0.68	0.53									0.64	0.45
Pawczuk, Greg	-0.49	0.89	-1.41	-0.61	-2.06	0.87	-0.73	0.25									-0.41	1.05
Yanchar, Paul	-0.87	0.55	-0.84	0.12	0.48	0.57	-1.22	0.30									-0.11	0.74
Sanchez, Art	-0.56	0.85	0.97	-0.15	0.93	1.51	0.51	1.15									0.65	0.69
Yi MAXIMUM	2.46	-2.85	1.84	-2.54	-2.06	-2.29	2.31	-2.67									-1.47	1.45
Yi MINIMUM	-0.15	-0.11	0.01	0.12	-0.02	-0.09	-0.04	0.02									-0.03	0.27
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.08	9.12	7.89	9.44	9.25	9.08	8.02	9.19										
Ratings STD	0.32	0.23	0.47	0.11	0.20	0.21	0.51	0.35										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves F1-F8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	8.2	7.2	6.9	7.5	8.6	6.8	6.9	7.2								
Castillo, George	7.9	7.0	6.5	7.4	8.5	6.7	6.5	6.9								
Lopez, Frank	7.7	7.4	7.4	7.8	8.0	6.5	6.5	6.7								
Garcia, Orlando	7.8	7.2	6.5	8.2	8.7	6.7	6.6	7.0								
Radonich, Pete	8.5	7.3	6.7	7.8	8.8	7.1	6.8	7.6								
Tschirhart, Garland	7.4	6.7	6.2	7.4	8.9	6.5	6.0	7.0								
Kobrinetz, Jack	8.6	7.3	6.7	7.9	9.0	7.0	7.0	7.9								
Sessions, Gwen	8.0	7.8	6.5	7.5	8.6	6.5	6.9	7.5								
Anderson, Richard	8.0	7.3	6.5	7.8	8.5	6.8	6.5	7.3								
Pansza, Mike	8.4	7.8	7.2	7.9	8.7	7.2	7.1	7.4								
Lowsky, John	8.5	6.9	7.0	7.5	9.3	6.3	6.5	7.2								
Hill, John	8.0	7.5	6.5	7.5	9.0	6.3	6.3	6.8								
Yanchar, Paul	8.7	7.5	6.8	8.1	9.2	6.2	6.3	7.0								
Adams, Pat	7.9	7.4	6.8	7.2	8.0	7.4	7.0	7.2								
Ramirez, Robert	8.1	7.4	7.0	8.2	8.3	6.9	7.1	7.7								
Avis, Steve	8.1	6.6	6.0	7.6	9.4	6.4	6.3	7.7								
Seiz, Ray	8.7	7.1	6.8	7.5	8.9	6.5	6.4	6.9								
Pawczuk, Greg	7.6	7.3	7.0	7.2	7.9	7.2	7.2	7.5								
Rodriguez, Jesse	7.8	7.3	7.4	7.6	8.0	7.0	7.3	7.3								
Greenland, Paul	7.9	7.5	7.1	8.3	8.6	6.8	7.3	7.6								
Sanchez, Art	8.5	7.5	7.4	7.8	9.0	7.2	7.4	8.2								
MAXIMUM	8.7	7.8	7.4	8.3	9.4	7.4	7.4	8.2								
MINIMUM	7.4	6.6	6.0	7.2	7.9	6.2	6.0	6.7								
RANGE (MAX-MIN)	1.3	1.2	1.4	1.1	1.5	1.2	1.4	1.5								
MEAN	8.11	7.28	6.80	7.70	8.66	6.75	6.76	7.31								
STD	0.37	0.31	0.38	0.32	0.44	0.35	0.40	0.39								



PART ID = Induction/Combustion Valves F1-F8

Yi VALUES

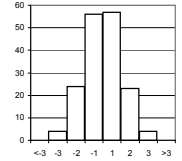
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	0.25	-0.27	0.25	-0.62	-0.14	0.13	0.36	-0.28									-0.04	0.34
Castillo, George	-0.56	-0.92	-0.80	-0.93	-0.37	-0.16	-0.64	-1.06									-0.68	0.31
Lopez, Frank	-1.10	0.38	1.56	0.32	-1.52	-0.72	-0.64	-1.57									-0.41	1.08
Garcia, Orlando	-0.83	-0.27	-0.80	1.58	0.09	-0.16	-0.39	-0.80									-0.20	0.79
Radonich, Pete	1.05	0.06	-0.27	0.32	0.32	0.98	0.11	0.75									0.41	0.47
Tschirhart, Garland	-1.90	-1.90	-1.58	-0.93	0.55	-0.72	-1.89	-0.80									-1.15	0.85
Kobrinetz, Jack	1.32	0.06	-0.27	0.64	0.78	0.70	0.61	1.52									0.67	0.59
Sessions, Gwen	-0.29	1.69	-0.80	-0.62	-0.14	-0.72	0.36	0.49									0.00	0.83
Anderson, Richard	-0.29	-0.11	-0.80	0.17	-0.37	-0.01	-0.64	-0.15									-0.28	0.32
Pansza, Mike	0.78	1.69	1.03	0.64	0.09	1.27	0.86	0.23									0.82	0.52
Lowsky, John	1.05	-1.25	0.51	-0.62	1.35	-1.44	-0.64	-0.41									-0.18	1.04
Hill, John	-0.29	0.71	-0.80	-0.62	0.78	-1.29	-1.14	-1.31									-0.50	0.84
Yanchar, Paul	1.59	0.71	-0.01	1.26	1.23	-1.58	-1.14	-0.80									0.16	1.22
Adams, Pat	-0.56	0.38	-0.01	-1.56	-1.52	1.83	0.61	-0.28									-0.14	1.12
Ramirez, Robert	-0.02	0.38	0.51	1.58	-0.83	0.41	0.86	1.01									0.49	0.72
Avis, Steve	-0.08	-2.29	-2.10	-0.37	1.78	-1.15	-1.14	1.01									-0.54	1.43
Seiz, Ray	1.59	-0.60	-0.01	-0.62	0.55	-0.72	-0.89	-1.06									-0.22	0.89
Pawczuk, Greg	-1.36	0.06	0.51	-1.56	-1.74	1.27	1.11	0.49									-0.15	1.22
Rodriguez, Jesse	-0.83	0.06	1.56	-0.30	-1.52	0.70	1.35	-0.02									0.12	1.05
Greenland, Paul	-0.56	0.71	0.77	1.89	-0.14	0.13	1.35	0.75									0.61	0.79
Sanchez, Art	1.05	0.71	1.56	0.32	0.78	1.27	1.60	2.30									1.20	0.62
Yi MAXIMUM	-1.90	-2.29	-2.10	1.89	1.78	1.83	-1.89	2.30									1.20	1.43
Yi MINIMUM	-0.02	0.06	-0.01	0.17	0.09	-0.01	0.11	-0.02									0.00	0.31
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	8.11	7.28	6.80	7.70	8.66	6.75	6.76	7.31										
Ratings STD	0.37	0.31	0.38	0.32	0.44	0.35	0.40	0.39										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves G1-G8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	7.8	6.8	6.9	6.8	7.2	7.1	7.0	7.0								
Castillo, George	7.0	6.5	6.7	6.4	7.1	7.0	6.9	7.0								
Lopez, Frank	7.4	6.5	6.4	6.4	7.2	7.2	6.7	6.7								
Garcia, Orlando	7.3	6.4	6.8	6.6	7.6	7.4	6.9	7.1								
Radonich, Pete	7.2	6.5	6.5	6.4	7.2	7.1	6.8	6.7								
Tschirhart, Garland	6.8	6.0	6.0	6.0	6.5	6.1	6.0	6.1								
Kobrinetz, Jack	7.5	7.0	7.0	6.9	7.8	7.7	7.1	7.1								
Sessions, Gwen	7.8	6.7	7.0	6.8	7.9	7.7	7.5	7.3								
Anderson, Richard	7.3	6.5	6.5	6.5	7.3	7.0	6.8	6.8								
Pansza, Mike	7.0	6.6	6.8	6.4	7.2	7.1	6.6	7.0								
Lowsky, John	7.0	6.2	6.9	6.3	7.2	6.9	6.8	6.9								
Hill, John	7.5	6.0	6.3	6.5	7.3	7.5	6.3	7.0								
Yanchar, Paul	6.9	6.2	6.6	6.0	7.0	7.1	6.0	6.4								
Adams, Pat	7.2	7.0	7.0	6.9	7.0	7.0	6.8	7.0								
Ramirez, Robert	7.9	6.8	7.0	7.0	7.4	7.8	7.2	7.3								
Avis, Steve	7.0	6.2	6.4	6.2	7.0	7.2	6.3	6.4								
Seiz, Ray	8.4	7.6	6.5	6.3	6.8	6.8	6.2	6.0								
Pawczuk, Greg	7.5	7.2	7.2	6.8	7.6	7.5	7.0	7.1								
Rodriguez, Jesse	7.1	7.0	7.0	7.1	7.3	7.3	6.9	7.0								
Greenland, Paul	7.6	7.0	7.2	7.2	7.5	7.6	7.3	7.1								
Sanchez, Art	7.5	7.4	7.6	7.2	7.6	7.7	7.6	7.8								
MAXIMUM	8.4	7.6	7.6	7.2	7.9	7.8	7.6	7.8								
MINIMUM	6.8	6.0	6.0	6.0	6.5	6.1	6.0	6.0								
RANGE (MAX-MIN)	1.6	1.6	1.6	1.2	1.4	1.7	1.6	1.8								
MEAN	7.36	6.67	6.77	6.60	7.27	7.23	6.79	6.89								
STD	0.39	0.44	0.37	0.37	0.33	0.39	0.44	0.42								



yi within 1 67%
 yi within 2 95%
 yi within 3 100%

PART ID = Induction/Combustion Valves G1-G8

Yi VALUES

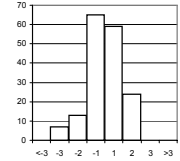
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	1.11	0.29	0.35	0.54	-0.20	-0.33	0.47	0.27									0.31	0.45
Castillo, George	-0.92	-0.38	-0.19	-0.54	-0.51	-0.58	0.25	0.27									-0.33	0.41
Lopez, Frank	0.10	-0.38	-1.01	-0.54	-0.20	-0.07	-0.20	-0.45									-0.35	0.34
Garcia, Orlando	-0.16	-0.61	0.08	0.00	1.01	0.44	0.25	0.51									0.19	0.48
Radonich, Pete	-0.41	-0.38	-0.73	-0.54	-0.20	-0.33	0.02	-0.45									-0.38	0.22
Tschirhart, Garland	-1.42	-1.51	-2.09	-1.62	-2.33	-2.87	-1.78	-1.90									-1.94	0.48
Kobrinetz, Jack	0.35	0.74	0.62	0.81	1.62	1.20	0.70	0.51									0.82	0.41
Sessions, Gwen	1.11	0.07	0.62	0.54	1.92	1.20	1.60	0.99									1.01	0.60
Anderson, Richard	-0.28	-0.38	-0.73	-0.27	-0.05	-0.58	-0.09	-0.33									-0.34	0.23
Pansza, Mike	-0.92	-0.16	0.08	-0.54	-0.20	-0.33	-0.43	0.27									-0.28	0.37
Lowsky, John	-0.92	-1.17	0.21	-0.94	-0.35	-0.83	-0.09	-0.09									-0.52	0.51
Hill, John	0.35	-1.51	-1.28	-0.27	0.10	0.69	-1.11	0.27									-0.34	0.84
Yanchar, Paul	-1.17	-1.06	-0.46	-1.62	-0.81	-0.33	-1.78	-1.17									-1.05	0.51
Adams, Pat	-0.41	0.74	0.62	0.81	-0.81	-0.58	0.02	0.27									0.08	0.63
Ramirez, Robert	1.36	0.29	0.62	1.08	0.40	1.45	0.92	0.99									0.89	0.42
Avis, Steve	-1.04	-1.06	-1.14	-1.21	-0.81	-0.07	-1.11	-1.29									-0.97	0.39
Seiz, Ray	2.63	2.09	-0.73	-0.81	-1.42	-1.09	-1.33	-2.14									-0.35	1.73
Pawczuk, Greg	0.35	1.19	1.16	0.54	1.01	0.69	0.47	0.51									0.74	0.33
Rodriguez, Jesse	-0.66	0.74	0.62	1.35	0.10	0.18	0.25	0.27									0.36	0.58
Greenland, Paul	0.60	0.74	1.16	1.62	0.71	0.94	1.15	0.51									0.93	0.37
Sanchez, Art	0.35	1.64	2.24	1.62	1.01	1.20	1.83	2.19									1.51	0.64
Yi MAXIMUM	2.63	2.09	2.24	1.62	-2.33	-2.87	1.83	2.19									-1.94	1.73
Yi MINIMUM	0.10	0.07	0.08	-0.54	-0.05	-0.07	0.02	-0.09									0.08	0.22
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.36	6.67	6.77	6.60	7.27	7.23	6.79	6.89										
Ratings STD	0.39	0.44	0.37	0.37	0.33	0.39	0.44	0.42										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves H1-H8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	8.7	8.8	8.8	8.9	8.3	8.4	9.7	8.4								
Castillo, George	9.1	8.9	9.5	9.0	9.0	8.9	9.8	8.7								
Lopez, Frank	9.4	8.0	9.4	8.0	9.1	8.0	9.8	8.0								
Garcia, Orlando	9.6	8.8	9.7	9.0	9.4	8.6	9.8	8.4								
Radonich, Pete	9.4	8.0	9.4	8.5	9.3	8.3	9.9	8.2								
Tschirhart, Garland	9.6	8.5	9.6	8.5	9.3	8.2	9.9	8.2								
Kobrinetz, Jack	9.3	8.2	9.3	8.3	9.1	8.4	9.9	8.2								
Sessions, Gwen	9.6	8.5	9.4	7.5	9.5	7.8	9.8	7.7								
Anderson, Richard	9.3	8.5	9.4	8.5	9.0	8.5	9.8	8.3								
Pansza, Mike	9.3	8.8	9.2	8.7	8.8	8.9	9.6	8.8								
Lowsky, John	9.7	9.5	9.8	9.3	9.7	9.5	9.9	9.5								
Hill, John	9.3	8.3	9.3	8.5	9.0	9.0	9.9	9.0								
Yanchar, Paul	9.4	8.9	9.6	9.2	9.3	9.1	9.9	8.9								
Adams, Pat	9.2	8.8	9.5	8.8	9.2	8.5	9.7	8.3								
Ramirez, Robert	8.7	8.2	8.7	8.4	8.8	8.3	9.5	8.2								
Avis, Steve	9.5	9.3	9.7	9.3	9.6	9.2	9.9	9.4								
Seiz, Ray	9.5	9.4	9.6	9.6	9.6	9.6	9.8	9.6								
Pawczuk, Greg	9.3	8.3	9.2	8.3	9.3	8.4	9.7	8.3								
Rodriguez, Jesse	9.5	8.6	9.6	8.7	9.3	9.0	9.9	9.0								
Greenland, Paul	9.2	8.8	9.3	8.9	9.1	8.8	9.8	8.5								
Sanchez, Art	9.5	9.0	9.5	8.8	9.2	8.8	9.8	8.8								
MAXIMUM	9.7	9.5	9.8	9.6	9.7	9.6	9.9	9.6								
MINIMUM	8.7	8.0	8.7	7.5	8.3	7.8	9.5	7.7								
RANGE (MAX-MIN)	1.0	1.5	1.1	2.1	1.4	1.8	0.4	1.9								
MEAN	9.34	8.67	9.40	8.70	9.18	8.68	9.80	8.59								
STD	0.26	0.43	0.27	0.47	0.31	0.47	0.11	0.51								



yi within 1 74%
 yi within 2 96%
 yi within 3 100%

PART ID = Induction/Combustion Valves H1-H8

Yi VALUES

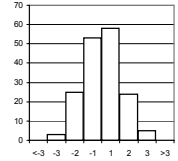
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	-2.44	0.30	-2.22	0.43	-2.81	-0.59	-0.91	-0.37									-1.08	1.26
Castillo, George	-0.91	0.54	0.35	0.64	-0.58	0.48	0.00	0.22									0.09	0.56
Lopez, Frank	0.24	-1.58	-0.02	-1.47	-0.27	-1.45	0.00	-1.16									-0.71	0.77
Garcia, Orlando	1.00	0.30	1.08	0.64	0.69	-0.16	0.00	-0.37									0.40	0.54
Radonich, Pete	0.24	-1.58	-0.02	-0.42	0.37	-0.81	0.91	-0.76									-0.26	0.79
Tschirhart, Garland	1.00	-0.40	0.72	-0.42	0.37	-1.02	0.91	-0.76									0.05	0.80
Kobrinetz, Jack	-0.15	-1.11	-0.38	-0.84	-0.27	-0.59	0.91	-0.76									-0.40	0.62
Sessions, Gwen	1.00	-0.40	-0.02	-2.52	1.01	-1.88	0.00	-1.75									-0.57	1.34
Anderson, Richard	-0.15	-0.40	-0.02	-0.42	-0.58	-0.38	0.00	-0.67									-0.33	0.25
Pansza, Mike	-0.15	0.30	-0.75	0.01	-1.22	0.48	-1.83	0.42									-0.34	0.84
Lowsky, John	1.38	1.95	1.45	1.16	1.48	1.76	0.91	1.80									1.49	0.34
Hill, John	-0.15	-0.87	-0.38	-0.42	-0.58	0.69	0.91	0.81									0.00	0.70
Yanchar, Paul	0.24	0.54	0.72	1.06	0.37	0.91	0.91	0.61									0.67	0.28
Adams, Pat	-0.53	0.30	0.35	0.22	0.05	-0.38	-0.91	-0.57									-0.18	0.47
Ramirez, Robert	-2.44	-1.11	-2.58	-0.63	-1.22	-0.81	-2.74	-0.76									-1.54	0.89
Avis, Steve	0.62	1.48	1.08	1.27	1.33	1.12	0.91	1.60									1.18	0.31
Seiz, Ray	0.62	1.71	0.72	1.90	1.33	1.98	0.00	1.99									1.28	0.75
Pawczuk, Greg	-0.15	-0.87	-0.75	-0.84	0.37	-0.59	-0.91	-0.57									-0.54	0.44
Rodriguez, Jesse	0.62	-0.17	0.72	0.01	0.37	0.69	0.91	0.81									0.50	0.39
Greenland, Paul	-0.53	0.30	-0.38	0.43	-0.27	0.27	0.00	-0.17									-0.04	0.35
Sanchez, Art	0.62	0.77	0.35	0.22	0.05	0.27	0.00	0.42									0.34	0.26
Yi MAXIMUM	-2.44	1.95	-2.58	-2.52	-2.81	1.98	-2.74	1.99									-1.54	1.34
Yi MINIMUM	-0.15	-0.17	-0.02	0.01	0.05	-0.16	0.00	-0.17									0.00	0.25
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	9.34	8.67	9.40	8.70	9.18	8.68	9.80	8.59										
Ratings STD	0.26	0.43	0.27	0.47	0.31	0.47	0.11	0.51										

Light Duty Rating Workshop

PART ID = Induction/Combustion Valves I1-I8

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8								
Foecking, Brian	7.2	7.8	6.5	7.7	6.8	8.8	7.8	6.9								
Castillo, George	8.0	8.4	6.3	8.5	7.2	9.8	8.8	7.5								
Lopez, Frank	7.4	7.6	6.4	7.7	6.5	8.1	7.7	7.5								
Garcia, Orlando	7.3	7.7	5.8	8.2	7.2	9.0	7.9	7.1								
Radonich, Pete	7.9	8.9	6.7	8.0	7.2	9.0	8.3	7.3								
Tschirhart, Garland	7.0	7.7	6.0	8.2	6.1	9.7	8.5	6.0								
Kobrinetz, Jack	8.5	8.9	7.0	8.6	7.4	9.6	8.7	7.6								
Sessions, Gwen	8.0	8.5	6.5	9.5	7.7	9.0	8.0	7.5								
Anderson, Richard	7.8	8.5	6.3	8.0	7.0	9.0	8.3	7.3								
Pansza, Mike	7.9	8.6	6.8	7.9	7.2	9.3	8.3	7.8								
Lowsky, John	9.0	9.5	7.5	9.3	8.0	9.9	9.3	8.1								
Hill, John	8.2	8.5	6.8	8.9	7.0	9.9	8.6	7.5								
Yanchar, Paul	8.0	8.7	5.8	8.8	6.3	9.8	8.4	6.8								
Adams, Pat	7.3	8.0	6.2	7.9	7.1	8.5	7.8	7.0								
Ramirez, Robert	7.4	7.6	6.8	7.9	7.5	8.3	8.4	7.7								
Avis, Steve	8.8	8.3	7.3	8.5	7.1	9.5	8.8	7.3								
Seiz, Ray	8.3	8.5	5.6	7.8	6.8	9.4	8.9	8.1								
Pawczuk, Greg	8.4	8.9	6.8	7.8	7.3	9.0	8.3	7.5								
Rodriguez, Jesse	8.2	9.0	6.5	8.4	7.2	9.9	8.7	7.5								
Greenland, Paul	7.9	7.8	6.3	7.9	7.2	9.2	8.0	7.6								
Sanchez, Art	7.4	7.8	7.0	7.8	7.6	9.8	7.8	7.2								
MAXIMUM	9.0	9.5	7.5	9.5	8.0	9.9	9.3	8.1								
MINIMUM	7.0	7.6	5.6	7.7	6.1	8.1	7.7	6.0								
RANGE (MAX-MIN)	2.0	1.9	1.9	1.8	1.9	1.8	1.6	2.1								
MEAN	7.90	8.34	6.52	8.25	7.11	9.26	8.34	7.37								
STD	0.54	0.54	0.49	0.52	0.45	0.54	0.43	0.46								



yi within 1 66%
 yi within 2 95%
 yi within 3 100%

PART ID = Induction/Combustion Valves I1-I8

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
Foecking, Brian	-1.29	-1.00	-0.03	-1.06	-0.71	-0.85	-1.27	-1.02									-0.90	0.40
Castillo, George	0.20	0.10	-0.44	0.48	0.19	1.01	1.06	0.28									0.36	0.49
Lopez, Frank	-0.92	-1.37	-0.24	-1.06	-1.38	-2.16	-1.51	0.28									-1.04	0.76
Garcia, Orlando	-1.11	-1.18	-1.46	-0.10	0.19	-0.48	-1.04	-0.58									-0.72	0.57
Radonich, Pete	0.01	1.02	0.37	-0.48	0.19	-0.48	-0.10	-0.15									0.05	0.49
Tschirhart, Garland	-1.67	-1.18	-1.05	-0.10	-2.28	0.82	0.36	-2.97									-1.01	1.31
Kobrinetz, Jack	1.13	1.02	0.98	0.67	0.64	0.64	0.83	0.50									0.80	0.22
Sessions, Gwen	0.20	0.29	-0.03	2.40	1.32	-0.48	-0.80	0.28									0.40	1.02
Anderson, Richard	-0.27	0.29	-0.54	-0.48	-0.26	-0.48	-0.22	-0.26									-0.28	0.26
Pansza, Mike	0.01	0.47	0.58	-0.67	0.19	0.08	-0.10	0.93									0.19	0.49
Lowsky, John	2.06	2.12	2.00	1.92	1.99	1.10	2.12	1.59									1.86	0.35
Hill, John	0.47	0.29	0.58	1.29	-0.26	1.10	0.67	0.28									0.55	0.49
Yanchar, Paul	0.20	0.65	-1.46	1.06	-1.83	1.01	0.13	-1.23									-0.18	1.16
Adams, Pat	-1.11	-0.63	-0.65	-0.67	-0.03	-1.41	-1.27	-0.80									-0.82	0.44
Ramirez, Robert	-0.92	-1.37	0.58	-0.67	0.87	-1.78	0.13	0.72									-0.31	1.01
Avis, Steve	1.69	-0.04	1.60	0.44	-0.03	0.45	1.06	-0.15									0.63	0.74
Seiz, Ray	0.75	0.29	-1.87	-0.87	-0.71	0.27	1.30	1.59									0.09	1.17
Pawczuk, Greg	0.94	1.02	0.58	-0.87	0.42	-0.48	-0.10	0.28									0.22	0.67
Rodriguez, Jesse	0.57	1.21	-0.03	0.29	0.19	1.20	0.83	0.28									0.57	0.47
Greenland, Paul	0.01	-1.00	-0.44	-0.67	0.19	-0.11	-0.80	0.50									-0.29	0.52
Sanchez, Art	-0.92	-1.00	0.98	-0.87	1.09	1.01	-1.27	-0.37									-0.17	1.02
Yi MAXIMUM	2.06	2.12	2.00	2.40	-2.28	-2.16	2.12	-2.97									1.86	1.31
Yi MINIMUM	0.01	-0.04	-0.03	-0.10	-0.03	0.08	-0.10	-0.15									0.05	0.22
Yi MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
Yi STD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Ratings MEAN	7.90	8.34	6.52	8.25	7.11	9.26	8.34	7.37										
Ratings STD	0.54	0.54	0.49	0.52	0.45	0.54	0.43	0.46										