



Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

May 16, 2007

CRC Project No. CD-16

To The Participants of the
CRC Light Duty Rating Workshop

The 2007 CRC Light Duty Rating Workshop was held Monday, April 30, through Friday, May 4, 2007. The ASTM Test Monitoring Center was proud to again serve as CRC's contractor for this workshop. Enclosed are the minutes for the workshop and a copy of all of the data generated. Also enclosed is your certificate of participation.

I would like to take this opportunity to thank you for your participation in this workshop. It is the full participation of the entire rating community that allows the CRC rating method to be the vital industry tool that it is. The input of each and every rater is a valued component of that tool.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Parke', is written over a light blue horizontal line.

Scott Parke
CRC Workshop Coordinator

Enclosure

MINUTES
CRC LIGHT-DUTY RATING WORKSHOP
SAN ANTONIO, TX

April 30-May 4, 2007

CRC Workshop Coordinator: Scott Parke
CRC Deposit Rating Project Leader: Tony Barrera

Sunday, April 29, 2007 – Workshop Coordinator Scott Parke and Frank Farber of the Test Monitoring Center (TMC) collected the workshop equipment from storage and transported it to the meeting room. Since the room was not booked for Sunday evening, the hotel graciously allowed Scott and Frank to set up the room early. Loading, transport, and unloading took approximately an hour and a half; set up took roughly three and a half hours.

Monday, April 30, 2007 – With equipment set up completed the previous evening, the only chore remaining for Monday morning was to position the workshop parts in the designated booths. Hardware available included sequence-III style pistons, large-bore square-cut pistons, sequence V pistons, sequence V sludge and varnish parts, and valves, piston tops, combustion chambers, and intake runners for Induction/Combustion rating.

As is customary, the rating session began with distribution of a new CRC rust/varnish rating scale to each rater. Each rater then rated two composite calibration pistons. To increase throughput for sequence III calibration, two composite calibration pistons were made up of 12 individual pistons in 12 booths with only one zone rated on each piston. Once the last rater finished the calibration pistons, the data was reviewed by the group and any discrepancies, or misunderstandings, or misapplication of definitions was discussed with the goal being for each rater to make any necessary adjustments. Basic descriptive statistics (the so-called “Yi” data) were used to aid in evaluating the data. These tools have been in use at the workshops in various form since 1997.

After a break for lunch, raters went through a similar calibration exercise for Sequence V and Induction/Combustion. All raters were encouraged to rate as many parts as their interest and available time allowed. When rating concluded for the day (approximately 17:00), a total of 94 ratings were completed.

Tuesday, May 1, 2007 - Rating began at approximately 08:00 and continued throughout the day until approximately 16:00. The rating total by midday was 137; 260 were completed by the end of the day.

Wednesday, May 2, 2007 – Rating again began at approximately 08:00. Data was collected until 10:00 with data review scheduled for 11:00. The data review concluded at 12:30. A total of 282 ratings were completed by the Session A group.

Set up for the Session B group ran from 12:30 to 13:30. The Session B group began rating the sequence III calibration parts at 13:30. Data review for sequence III calibration finished at 17:30. At day's end, 29 ratings were completed by Session B raters.

Thursday, May 3, 2007 – Rating began at 08:00. Sequence V and induction/combustion calibration data collection was cut off at 10:30 and a review of that data began at 10:45 and concluded at 11:15. Rating of all parts resumed and continued until approximately 17:30. The rating total at midday was 76; 211 were completed by the end of the day.

Friday, May 4, 2007 – Rating again began at approximately 08:00. Data was collected until 10:30. Data review began at 11:30 and concluded by 12:30. A total of 332 ratings was completed by the Session B raters.

DISCUSSIONS

Online rating/workshop computer network – Two common sources for errors at the workshops have been calculation mistakes and data entry errors. To eliminate both of these error sources and to speed the processing of the workshop data, Frank Farber has been working on a system to allow raters to key their ratings directly into a computer terminal as opposed to doing hand calculations from a paper worksheet. Frank set up a wireless computer network for pilot testing at this workshop. This system can be accessed by any rater equipped with a notebook computer and a web browser. The rater can connect either wirelessly or by plugging into one of the several available Ethernet cables. After working out some initial bugs, the system worked so well in Session A that it was used as the sole means of data input and calculation for the B session. Of course, participants had some suggestions that Frank intends to incorporate and there are other improvements that Frank will have in place for the next workshop. The formal rollout of the system will be at the next workshop where all participants will be encouraged to bring a web-enabled notebook with them.

Notes on the Data

Following is the data produced during the April 30-May 4, 2007, CRC Light Duty Rating Workshop.

Some of the CRC evaluation techniques are destructive and, therefore, do not easily allow repeated measurement (measurable sludge deposits, ring sticking, carbon probing, and parts wiping for example). Every effort is made to limit the destructive impact of repeated measurement of these deposits but repeatability and reproducibility cannot help but be adversely affected. This must be a consideration when reviewing data from deposits of this type.

The statistics presented include the data from all parts (including calibration parts and practical application parts) and all participants (including novice, field, and standardized engine test raters). It is important to have some knowledge of the raters involved when comparing results.

CRC strives to make this data useful to as broad a range of industry consumers as possible, however it is primarily intended to provide guidance to workshop participants. CRC endorses its use for no other purpose.

Light Duty Rating Workshop

Rater/Parts Crosstab

	Total parts rated	Calibration_1_Seq_III	Calibration_2_Seq_III	A1_Seq_III_Piston	A2_Seq_III_Piston	A3_Seq_III_Piston	A4_Seq_III_Piston	A5_Square-cut_Piston	A6_Seq_III_Piston	B1_Seq_III_Piston	B2_Seq_III_Piston	B3_Seq_III_Piston	B4_Seq_III_Piston	B5_Square-cut_Piston	B6_Seq_III_Piston	Calibration_Seq_V_Pistons	Calibration_Seq_V_Sludge	Calibration_Seq_V_Varnish	D1-8_Seq_V_Pistons	E1-8_Seq_V_Pistons	Seq_V_Sludge	Seq_V_Varnish	Seq_V_Clogging	Calibration_Ind-Comb	F_Valve_Set	G_Valve_Set	H_Valve_Set	I_Valve_Set	J_Piston_Tops	K_Comb_Chambers	L_Intake_Runners
Adams, Pat	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Avis, Steve	21	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Barrera, Tony	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cales, Jonathon	23	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Caproni, David	22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Castillo, George	27	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Foecking, Brian	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Garcia, Orlando	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hills, Barry	14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kirkpatrick, John	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kobrinetz, Jack	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lam, Eddie	11	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lopez, Frank	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lowsky, John	26	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
May, Marianne	21	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pansza, Mike	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Radonich, Pete	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ramirez, Manny	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rodriguez, Jesse	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sanchez, Art	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Seiz, Ray	28	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Shoda, Ron	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Szynal, Stephen	15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Terrado, Teresa	12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tschirhart, Garland	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tuchsen, Richard	17	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Viera, Ralph	24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Total Ratings	617	26	26	21	22	21	21	21	21	20	20	19	19	17	18	23	21	21	20	20	21	20	21	24	21	21	21	21	18	16	16

MIN RATINGS/RATER 10 MIN RATINGS/PART 16
 MAX RATINGS/RATER 30 MAX RATINGS/PART 24
 AVG RATINGS/RATER 23 AVG RATINGS/PART 21

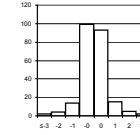
Piston Assignment Key:
 Primary Part =
 Secondary Part =

Light Duty Rating Workshop

PART ID = Calibration 1 - Seq II

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Foecking, Brian	0.62	0.75	7.85	0.40	5.57	2.06	6.69	9.85	8.27							25.52	4.44
Caproni, David	0.62	0.66	7.55	0.73	6.56	3.35	6.85	9.90	8.38							27.85	4.86
Cales, Jonathor	0.63	0.60	7.81	0.62	6.31	2.85	5.40	9.90	7.65							26.47	4.69
Barrera, Tony	0.63	0.73	8.03	0.41	6.13	2.82	6.21	9.82	8.02							26.77	4.69
Lopez, Frank	0.68	0.75	7.58	0.44	6.18	2.26	6.28	9.90	8.09							25.98	4.58
Hills, Barry	0.71	0.75	8.33	0.33	7.00	2.13	7.30	9.90	8.60							27.85	5.00
Garcia, Orlando	0.73	0.65	7.67	0.52	6.02	2.68	7.70	9.81	8.76							27.03	4.66
Tschirhart, Garlanc	0.75	0.75	7.15	0.38	5.95	1.75	6.50	9.80	8.15							24.88	4.37
Sanchez, Arl	0.56	0.72	8.67	0.19	6.42	2.97	6.19	9.86	8.03							27.56	4.89
Adams, Pat	0.62	0.61	7.63	0.75	6.01	2.40	6.12	9.71	7.92							25.94	4.57
Pansza, Mike	0.56	0.75	7.65	0.38	6.05	3.01	6.40	9.77	8.09							26.49	4.61
Avis, Steve	0.60	0.71	8.28	0.29	6.12	2.08	7.58	9.89	8.74							26.82	4.72
Castillo, George	0.70	0.74	7.92	0.68	6.14	3.05	7.10	9.74	8.42							27.65	4.78
Kobrinetz, Jack	0.60	0.68	7.86	0.32	6.25	2.26	6.91	9.80	8.36							26.33	4.65
Lam, Eddie	0.19	0.94	7.84	1.88	7.57	2.99	6.81	9.80	8.31							29.72	5.35
Lowsky, John	0.84	0.75	7.78	0.75	6.44	3.84	6.35	9.19	7.77							28.17	4.88
May, Marianne	0.84	0.75	7.88	0.35	6.32	2.44	6.58	9.84	8.20							26.78	4.71
Radonich, Pete	0.64	0.75	8.00	0.45	5.64	2.00	6.20	9.80	8.00							25.48	4.47
Ramirez, Manny	0.75	0.59	7.76	0.40	6.63	3.20	7.48	9.50	8.49							27.82	4.87
Rodriguez, Jesse	0.68	0.72	7.91	0.37	6.00	2.67	7.32	9.89	8.61							26.96	4.67
Seiz, Ray	0.47	0.15	7.96	0.34	6.39	3.22	6.69	9.77	8.23							26.76	4.74
Shoda, Ron	0.71	0.66	7.55	0.49	5.87	1.95	6.52	9.89	8.21							25.44	4.46
Szynal, Stepher	0.71	0.71	7.80	0.69	5.80	1.80	6.30	9.80	8.05							25.56	4.50
Terrado, Teresa	0.64	0.75	7.66	0.08	5.45	3.35	6.99	9.80	8.40							26.33	4.46
Tuchsen, Richarc	1.54	1.20	7.85	1.43	7.10	4.58	7.03	9.80	8.42							32.12	5.41
Viera, Ralph	0.58	0.69	7.90	0.42	6.22	2.42	6.56	9.93	8.25							26.48	4.67
MAXIMUM	1.54	1.20	8.67	1.88	7.57	4.58	7.70	9.93	8.76							32.12	5.41
MINIMUM	0.19	0.15	7.15	0.08	5.45	1.75	5.40	9.19	7.65							24.88	4.37
RANGE (MAX-MIN)	1.35	1.05	1.52	1.80	2.12	2.83	2.30	0.74	1.11							7.23	1.04
MEAN	0.68	0.71	7.84	0.54	6.24	2.70	6.69	9.79	8.24							26.95	4.72
STD	0.22	0.16	0.29	0.37	0.47	0.67	0.53	0.15	0.27							1.49	0.25



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

PART ID = Calibration 1 - Seq II

YI VALUES

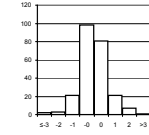
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Foecking, Brian	-0.26	0.23	0.03	-0.38	-1.42	-0.96	-0.01	0.37	0.09							-0.96	-1.12	-0.40	0.61
Caproni, David	-0.26	-0.32	-1.01	0.50	0.69	0.98	0.30	0.70	0.48							0.60	0.55	0.29	0.58
Cales, Jonathor	-0.22	-0.68	-0.11	0.21	0.16	0.23	-2.45	0.70	-2.17							-0.32	-0.12	-0.43	0.99
Barrera, Tony	-0.22	0.11	0.65	-0.35	-0.23	0.18	-0.91	0.17	-0.84							-0.12	-0.10	-0.15	0.45
Lopez, Frank	0.01	0.23	-0.91	-0.27	-0.12	-0.66	-0.78	0.70	-0.56							-0.65	-0.56	-0.32	0.49
Hills, Barry	0.15	0.23	1.69	-0.57	1.62	-0.85	1.15	0.70	1.30							0.61	1.11	0.65	0.84
Garcia, Orlando	0.25	-0.38	-0.59	-0.06	-0.46	-0.03	1.90	0.10	1.86							0.05	-0.23	0.22	0.86
Tschirhart, Garlanc	0.34	0.23	-2.40	-0.43	-0.61	-1.42	-0.37	0.04	-0.34							-1.39	-1.38	-0.70	0.84
Sanchez, Arl	-0.54	0.05	2.87	-0.94	0.39	0.41	-0.95	0.44	-0.80							0.41	0.67	0.18	1.08
Adams, Pat	-0.26	-0.62	-0.73	0.56	-0.48	-0.45	-1.08	-0.56	-1.20							-0.68	-0.62	-0.56	0.46
Pansza, Mike	-0.54	0.23	-0.66	-0.43	-0.40	0.47	-0.56	-0.16	-0.58							-0.31	-0.42	-0.31	0.36
Avis, Steve	-0.36	-0.01	1.52	-0.67	-0.25	-0.93	1.68	0.63	1.79							-0.09	-0.01	0.30	0.96
Castillo, George	0.11	0.17	0.27	0.37	-0.20	0.53	0.77	-0.36	0.64							0.47	0.26	0.27	0.34
Kobrinetz, Jack	-0.36	-0.20	0.07	-0.59	0.03	-0.66	0.41	0.04	0.40							-0.42	-0.26	-0.14	0.36
Lam, Eddie	-2.26	1.39	0.00	3.58	2.84	0.44	0.22	0.04	0.22							1.86	2.53	0.99	1.65
Lowsky, John	0.76	0.23	-0.21	0.56	0.43	1.71	-0.65	-4.02	-1.73							0.82	0.63	-0.13	1.57
May, Marianne	0.76	0.23	0.13	-0.51	0.18	-0.39	-0.25	0.30	-0.16							-0.11	-0.06	0.01	0.36
Radonich, Pete	-0.17	0.23	0.55	-0.25	-1.27	-1.05	-0.93	0.04	-0.89							-0.99	-1.01	-0.52	0.62
Ramirez, Manny	0.34	-0.75	-0.28	-0.38	0.84	0.75	1.49	-1.96	0.90							0.59	0.59	0.19	0.96
Rodriguez, Jesse	0.01	0.05	0.24	-0.46	-0.50	-0.04	1.18	0.63	1.32							0.00	-0.19	0.20	0.60
Seiz, Ray	-0.96	-3.44	0.41	-0.54	0.33	0.78	-0.01	-0.16	-0.05							-0.13	0.10	-0.33	1.13
Shoda, Ron	0.15	-0.32	-1.01	-0.14	-0.78	-1.12	-0.33	0.63	-0.14							-1.02	-1.03	-0.46	0.57
Szynal, Stepher	0.15	-0.01	-0.14	0.40	-0.93	-1.35	-0.74	0.04	-0.71							-0.93	-0.90	-0.47	0.57
Terrado, Teresa	-0.17	0.23	-0.63	-1.24	-1.67	0.98	0.56	0.04	0.55							-0.42	-1.03	-0.25	0.83
Tuchsen, Richarc	4.01	2.98	0.03	2.37	1.84	2.82	0.64	0.04	0.62							3.47	2.76	1.96	1.42
Viera, Ralph	-0.45	-0.13	0.20	-0.33	-0.03	-0.42	-0.25	0.90	0.00							-0.32	-0.18	-0.09	0.38
YI MAXIMUM	4.01	-3.44	2.87	3.58	2.84	2.82	-2.45	-4.02	-2.17							3.47	2.76	1.96	1.65
YI MINIMUM	-0.17	-0.01	0.00	-0.06	-0.03	-0.03	-0.01	0.04	-0.05							-0.09	-0.01	-0.09	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	0.68	0.71	7.84	0.54	6.24	2.70	6.69	9.79	8.24							26.95	4.72		
Ratings STD	0.22	0.16	0.29	0.37	0.47	0.67	0.53	0.15	0.27							1.49	0.25		

Light Duty Rating Workshop

PART ID = Calibration 2 - Seq II

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Adams, Pat	3.82	2.40	8.98	0.98	5.15	1.45	6.88	9.60	8.24							31.02	4.89
Hills, Barry	3.45	2.63	9.67	0.64	5.63	1.40	8.72	9.89	9.31							32.73	5.23
Cales, Jonathor	3.60	2.41	9.22	0.86	5.33	1.75	7.64	9.80	8.72							31.89	5.04
Lopez, Frank	3.62	2.47	9.48	0.75	5.17	1.15	7.41	9.70	8.56							31.20	4.96
Caproni, David	3.51	2.22	9.45	0.89	5.48	2.34	7.64	9.70	8.67							32.56	5.17
Sanchez, Ari	4.44	2.84	9.80	0.98	4.84	1.70	8.23	9.79	9.01							33.61	5.14
Garcia, Orlando	4.63	2.02	9.17	0.86	4.99	1.37	8.21	9.82	9.02							32.06	4.93
Foecking, Brian	3.84	2.50	9.29	0.73	4.92	1.27	7.79	9.74	8.77							31.32	4.89
Tschirhart, Garlanc	4.80	2.50	9.62	0.73	5.40	1.20	7.50	9.76	8.63							32.88	5.13
Barrera, Tony	3.59	2.60	9.20	0.73	5.17	1.30	7.41	9.75	8.58							31.17	4.93
Pansza, Mike	4.34	2.38	9.48	0.64	4.88	2.06	6.83	9.64	8.24							32.02	4.94
Avis, Steve	4.57	2.49	9.55	1.05	5.24	1.30	9.09	9.88	9.49							33.69	5.20
Castillo, George	3.15	2.46	9.50	0.79	5.06	1.42	8.30	9.82	9.06							31.44	4.99
Kobrinetz, Jack	3.95	2.45	9.53	0.71	5.28	1.59	7.71	9.80	8.76							32.27	5.07
Lam, Eddie	6.38	2.54	9.22	0.83	5.16	2.46	7.26	9.87	8.57							35.16	5.19
Lowsky, John	4.05	2.55	8.81	0.88	5.11	2.18	7.16	9.43	8.30							31.88	4.93
May, Marianne	3.09	2.51	9.33	0.74	5.32	1.62	7.98	9.86	8.92							31.53	5.03
Radonich, Pete	2.94	2.64	9.55	0.76	5.04	1.30	7.72	9.80	8.76							30.99	4.95
Ramirez, Manny	4.13	2.22	9.11	1.24	5.43	2.60	8.12	9.62	8.87							33.60	5.21
Rodriguez, Jesse	3.13	2.73	9.61	0.83	5.20	1.45	8.41	9.82	9.12							32.07	5.09
Seiz, Ray	4.32	2.32	9.47	1.17	6.08	2.05	7.24	9.66	8.45							33.86	5.39
Shoda, Ron	4.06	2.48	9.46	0.99	5.03	1.41	7.75	9.69	8.72							32.15	5.01
Szynal, Stepher	3.30	2.60	9.50	0.71	5.46	1.20	7.55	9.80	8.68							31.45	5.06
Terrado, Teresa	3.45	1.99	9.33	0.08	4.39	2.86	8.80	9.80	9.30							31.40	4.78
Tuchsen, Richarc	4.57	3.13	9.20	0.91	6.00	2.91	8.40	9.09	8.75							35.47	5.48
Viera, Ralph	4.24	2.93	9.22	1.06	5.24	1.50	8.00	9.93	8.97							33.16	5.13
MAXIMUM	6.38	3.13	9.80	1.24	6.08	2.91	9.09	9.93	9.49							35.47	5.48
MINIMUM	2.94	1.99	8.81	0.08	4.39	1.15	6.83	9.09	8.24							30.99	4.78
RANGE (MAX-MIN)	3.44	1.14	0.99	1.16	1.69	1.76	2.26	0.84	1.25							4.48	0.70
MEAN	3.96	2.50	9.38	0.83	5.23	1.72	7.84	9.73	8.78							32.40	5.07
STD	0.72	0.25	0.23	0.22	0.34	0.53	0.58	0.17	0.32							1.22	0.16



yi within 1 76%
 yi within 2 94%
 yi within 3 99%

PART ID = Calibration 2 - Seq II

YI VALUES

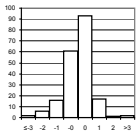
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Adams, Pat	-0.19	-0.41	-1.75	0.70	-0.24	-0.52	-1.66	-0.78	-1.71							-1.13	-1.13	-0.80	0.77
Hills, Barry	-0.71	0.52	1.31	-0.87	1.16	-0.61	1.53	0.92	1.64							0.26	0.99	0.56	0.92
Cales, Jonathor	-0.50	-0.37	-0.69	0.14	0.29	0.05	-0.34	0.39	-0.20							-0.42	-0.17	-0.16	0.34
Lopez, Frank	-0.47	-0.12	0.46	-0.36	-0.18	-1.08	-0.74	-0.19	-0.72							-0.99	-0.69	-0.46	0.45
Caproni, David	-0.62	-1.13	0.33	0.28	0.73	1.16	-0.34	-0.19	-0.36							0.13	0.62	0.05	0.66
Sanchez, Ari	0.66	1.37	1.88	0.70	-1.14	-0.05	0.68	0.33	0.71							0.99	0.43	0.60	0.77
Garcia, Orlando	0.92	-1.94	-0.91	0.14	-0.70	-0.67	0.65	0.51	0.72							-0.29	-0.85	-0.22	0.89
Foecking, Brian	-0.17	0.00	-0.38	-0.45	-0.90	-0.85	-0.08	0.04	-0.06							-0.89	-1.12	-0.44	0.43
Tschirhart, Garlanc	1.16	0.00	1.08	-0.45	0.49	-0.99	-0.58	0.16	-0.49							0.39	0.37	0.10	0.69
Barrera, Tony	-0.51	0.40	-0.77	-0.45	-0.18	-0.80	-0.74	0.10	-0.64							-1.01	-0.88	-0.50	0.44
Pansza, Mike	0.52	-0.49	0.46	-0.87	-1.02	0.63	-1.75	-0.55	-1.73							-0.32	-0.80	-0.54	0.83
Avis, Steve	0.84	-0.04	0.77	1.02	0.03	-0.80	2.17	0.86	2.20							1.05	0.81	0.81	0.88
Castillo, George	-1.12	-0.16	0.55	-0.18	-0.50	-0.57	0.80	0.51	0.87							-0.79	-0.50	-0.10	0.68
Kobrinetz, Jack	-0.01	-0.20	0.69	-0.54	0.14	-0.25	-0.22	0.39	-0.09							-0.11	0.04	-0.02	0.33
Lam, Eddie	3.34	0.16	-0.69	0.01	-0.21	1.38	-1.00	0.81	-0.69							2.25	0.78	0.56	1.34
Lowsky, John	0.12	0.20	-2.50	0.24	-0.35	0.86	-1.17	-1.78	-1.54							-0.43	-0.85	-0.66	1.02
May, Marianne	-1.20	0.04	-0.20	-0.41	0.26	-0.20	0.25	0.75	0.43							-0.72	-0.22	-0.11	0.55
Radonich, Pete	-1.41	0.56	0.77	-0.31	-0.56	-0.80	-0.20	0.39	-0.08							-1.16	-0.72	-0.32	0.70
Ramirez, Manny	0.23	-1.13	-1.17	1.89	0.58	1.64	0.49	-0.66	0.27							0.98	0.91	0.37	1.02
Rodriguez, Jesse	-1.15	0.93	1.04	0.01	-0.09	-0.52	0.99	0.51	1.04							-0.28	0.16	0.24	0.73
Seiz, Ray	0.50	-0.73	0.42	1.57	2.47	0.61	-1.03	-0.43	-1.05							1.19	2.04	0.50	1.23
Shoda, Ron	0.14	-0.08	0.38	0.74	-0.58	-0.59	-0.15	-0.25	-0.20							-0.21	-0.34	-0.11	0.40
Szynal, Stepher	-0.91	0.40	0.55	-0.54	0.67	-0.99	-0.50	0.39	-0.35							-0.79	-0.07	-0.19	0.61
Terrado, Teresa	-0.71	-2.06	-0.20	-3.44	-2.45	2.13	1.67	0.39	1.62							-0.82	-1.79	-0.51	1.84
Tuchsen, Richarc	0.84	2.55	-0.77	0.37	2.24	2.23	0.98	-3.78	-0.13							2.51	2.62	0.88	1.95
Viera, Ralph	0.39	1.74	-0.69	1.06	0.03	-0.42	0.28	1.16	0.57							0.62	0.37	0.46	0.70
YI MAXIMUM	3.34	2.55	-2.50	-3.44	2.47	2.23	2.17	-3.78	2.20							2.51	2.62	0.88	1.95
YI MINIMUM	-0.01	0.00	-0.20	0.01	-0.09	-0.05	-0.08	-0.19	-0.06							-0.11	-0.07	-0.02	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	3.96	2.50	9.38	0.83	5.23	1.72	7.84	9.73	8.78							32.40	5.07		
Ratings STD	0.72	0.25	0.23	0.22	0.34	0.53	0.58	0.17	0.32							1.22	0.16		

Light Duty Rating Workshop

PART ID = A2 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Cales, Jonathor	3.30	0.75	9.80	0.61	0.75	0.97	9.68	9.78	9.73							25.91	3.59
Pansza, Mike	3.02	0.75	9.66	0.71	0.75	0.93	9.28	9.54	9.41							25.23	3.52
Tschirhart, Garland	5.40	0.75	9.70	0.93	0.75	1.00	9.66	9.67	9.67							28.20	3.72
Caproni, David	4.34	0.73	9.70	0.60	0.75	1.00	9.57	9.70	9.64							26.76	3.61
Foeking, Brian	3.69	0.74	9.90	0.71	0.75	1.10	9.65	9.69	9.67							26.56	3.65
Garcia, Orlando	3.85	0.74	9.43	0.80	0.75	0.92	9.18	9.75	9.47							25.96	3.54
Hills, Barry	1.99	0.75	9.90	0.67	0.75	1.00	9.81	9.84	9.83							24.89	3.56
Sanchez, Art	5.06	0.71	9.80	0.59	0.73	1.00	9.54	9.64	9.59							27.48	3.65
Adams, Pat	1.91	0.73	9.80	0.80	0.78	0.88	9.51	9.71	9.61							24.51	3.53
Barrera, Tony	2.52	0.70	9.80	0.72	0.75	0.76	9.59	9.73	9.66							24.91	3.53
Avis, Steve	3.78	0.75	9.87	0.87	0.75	0.83	9.66	9.65	9.66							26.51	3.64
Castillo, George	3.75	0.74	9.98	0.86	0.75	1.04	9.41	9.77	9.59							26.71	3.67
Kobrinetz, Jack	3.19	0.72	9.90	0.67	0.79	0.84	9.74	9.77	9.76							25.87	3.61
Lowsky, John	3.90	0.75	9.64	1.00	0.75	1.73	9.61	9.61	9.61							27.38	3.71
May, Marianne	3.23	0.70	9.73	0.63	0.75	0.80	9.78	9.90	9.84							25.68	3.56
Radonich, Pete	3.63	0.75	9.90	0.71	0.75	1.00	9.64	9.71	9.68							26.42	3.64
Rodriguez, Jesse	2.08	0.62	9.80	0.44	0.74	1.00	9.61	9.75	9.68							24.36	3.48
Seiz, Ray	4.20	0.68	9.30	1.70	0.84	0.97	9.24	9.51	9.38							27.07	3.68
Shoda, Ron	2.70	0.75	9.80	0.91	0.76	1.00	9.74	9.87	9.81							25.73	3.62
Szynal, Stepher	4.08	0.75	9.80	0.75	0.75	1.02	9.80	9.74	9.77							26.92	3.66
Terrado, Teresa	2.04	0.68	9.90	0.38	0.50	1.40	9.66	9.74	9.70							24.60	3.47
Viera, Ralph	3.22	0.74	9.95	0.83	0.81	1.02	9.76	9.87	9.82							26.39	3.68
MAXIMUM	5.40	0.75	9.98	1.70	0.84	1.73	9.81	9.90	9.84							28.20	3.72
MINIMUM	1.91	0.62	9.30	0.38	0.50	0.76	9.18	9.51	9.38							24.36	3.47
RANGE (MAX-MIN)	3.49	0.13	0.68	1.32	0.34	0.97	0.63	0.39	0.47							3.84	0.25
MEAN	3.40	0.73	9.78	0.77	0.75	1.01	9.60	9.72	9.66							26.09	3.60
STD	0.95	0.03	0.16	0.26	0.06	0.21	0.18	0.10	0.13							1.04	0.07



yi within 1 78%
 yi within 2 94%
 yi within 3 98%

PART ID = A2 - Sequence III Pistol

Yi VALUES

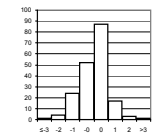
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Cales, Jonathor	-0.11	0.71	0.15	-0.61	0.04	-0.19	0.47	0.56	0.55							-0.17	-0.25	0.10	0.42
Pansza, Mike	-0.40	0.71	-0.71	-0.22	0.04	-0.39	-1.78	-1.86	-2.00							-0.83	-1.13	-0.78	0.85
Tschirhart, Garland	2.10	0.71	-0.46	0.63	0.04	-0.05	0.36	-0.55	0.04							2.02	1.56	0.58	0.94
Caproni, David	0.99	0.11	-0.46	-0.65	0.04	-0.05	-0.15	-0.25	-0.20							0.64	0.06	0.01	0.47
Foeking, Brian	0.30	0.41	0.77	-0.22	0.04	0.44	0.30	-0.35	0.08							0.45	0.60	0.26	0.34
Garcia, Orlando	0.47	0.41	-2.13	0.13	0.04	-0.44	-2.35	0.26	-1.56							-0.13	-0.96	-0.57	1.03
Hills, Barry	-1.49	0.71	0.77	-0.38	0.04	-0.05	1.21	1.16	1.31							-1.16	-0.59	0.14	0.97
Sanchez, Art	1.74	-0.49	0.15	-0.69	-0.29	-0.05	-0.32	-0.85	-0.56							1.33	0.64	0.06	0.85
Adams, Pat	-1.57	0.11	0.15	0.13	0.53	-0.63	-0.49	-0.15	-0.40							-1.52	-1.02	-0.44	0.69
Barrera, Tony	-0.93	-0.79	0.15	-0.19	0.04	-1.22	-0.04	0.05	0.00							-1.13	-1.03	-0.46	0.55
Avis, Steve	0.40	0.71	0.58	0.40	0.04	-0.88	0.36	-0.75	-0.04							0.40	0.53	0.16	0.53
Castillo, George	0.36	0.41	1.26	0.36	0.04	0.15	-1.05	0.46	-0.56							0.59	0.98	0.27	0.65
Kobrinetz, Jack	-0.23	-0.19	0.77	-0.38	0.70	-0.83	0.81	0.46	0.75							-0.22	0.06	0.15	0.57
Lowsky, John	0.52	0.71	-0.83	0.90	0.04	3.51	0.08	-1.15	-0.40							1.24	1.43	0.55	1.28
May, Marianne	-0.18	-0.79	-0.28	-0.54	0.04	-1.02	1.04	1.77	1.43							-0.39	-0.61	0.04	0.94
Radonich, Pete	0.24	0.71	0.77	-0.22	0.04	-0.05	0.25	-0.15	0.12							0.31	0.43	0.22	0.32
Rodriguez, Jesse	-1.39	-3.21	0.15	-1.27	-0.13	-0.05	0.08	0.26	0.16							-1.66	-1.71	-0.80	1.13
Seiz, Ray	0.84	-1.40	-2.93	3.63	1.52	-0.19	-2.01	-2.16	-2.28							0.94	1.05	-0.27	2.04
Shoda, Ron	-0.74	0.71	0.15	0.55	0.20	-0.05	0.81	1.47	1.15							-0.35	0.15	0.37	0.65
Szynal, Stepher	0.71	0.71	0.15	-0.07	0.04	0.05	1.15	0.16	0.87							0.80	0.71	0.48	0.42
Terrado, Teresa	-1.44	-1.40	0.77	-1.51	-4.09	1.90	0.36	0.16	0.32							-1.43	-1.92	-0.75	1.64
Viera, Ralph	-0.19	0.41	1.08	0.24	1.03	0.05	0.92	1.47	1.23							0.28	1.00	0.68	0.54
Yi MAXIMUM	2.10	-3.21	-2.93	3.63	-4.09	3.51	-2.35	-2.16	-2.28							2.02	-1.92	-0.80	2.04
Yi MINIMUM	-0.11	0.11	0.15	-0.07	0.04	-0.05	-0.04	-0.15	0.00							-0.13	-0.25	0.01	0.32
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	3.40	0.73	9.78	0.77	0.75	1.01	9.60	9.72	9.66							26.09	3.60		
Ratings STD	0.95	0.03	0.16	0.26	0.06	0.21	0.18	0.10	0.13							1.04	0.07		

Light Duty Rating Workshop

PART ID = A4 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt								UWPD	WPD
Cales, Jonathor	2.51	0.74	9.77	1.06	0.75	4.84	7.92	9.70	8.81								28.48	3.90
Pansza, Mike	3.65	0.75	9.82	0.84	0.77	3.32	9.00	9.60	9.30								28.45	3.84
Caproni, David	3.48	0.74	9.60	1.20	0.80	4.42	8.96	9.56	9.26								29.50	3.96
Foecking, Brian	3.47	0.75	9.87	1.12	0.75	3.62	8.42	9.69	9.06								28.64	3.88
Garcia, Orlando	3.72	0.75	9.40	1.11	0.79	4.75	8.39	9.54	8.97								29.49	3.92
Hills, Barry	3.12	0.75	9.90	1.07	0.75	4.68	9.39	9.80	9.60								29.87	4.02
Sanchez, Ari	4.59	0.75	9.80	1.00	0.75	4.43	8.72	9.55	9.14								30.46	4.00
Adams, Pat	2.20	0.75	9.70	1.07	0.75	4.19	8.00	9.65	8.83								27.49	3.81
Barrera, Tony	2.64	0.75	9.44	1.09	0.77	3.93	8.20	9.64	8.92								27.54	3.77
Avis, Steve	4.29	0.75	9.76	0.91	0.76	3.46	8.67	9.63	9.15								29.08	3.87
Castillo, George	3.41	0.75	9.89	0.99	0.77	4.07	8.69	9.58	9.14								29.02	3.92
Kobrinetz, Jack	3.42	0.75	9.80	1.04	0.77	3.86	8.75	9.74	9.25								28.89	3.90
Lowsky, John	3.28	0.75	9.48	1.01	0.76	5.02	8.18	9.43	8.81								29.11	3.90
May, Marianne	3.24	0.75	9.64	0.99	0.80	3.54	8.37	9.62	9.00								27.96	3.81
Radonich, Pete	3.37	0.75	9.85	1.12	0.75	3.50	8.48	9.70	9.09								28.43	3.87
Rodriguez, Jesse	2.69	0.75	9.53	0.94	0.81	3.50	8.74	9.71	9.23								27.45	3.77
Seiz, Ray	3.86	0.68	9.23	1.81	0.91	5.18	9.09	9.52	9.31								30.98	4.10
Shoda, Ron	2.76	0.75	9.80	1.18	0.77	3.10	8.06	9.68	8.87								27.23	3.78
Szynal, Stepher	3.73	0.75	9.80	0.82	0.75	3.00	8.86	9.80	9.33								28.18	3.80
Terrado, Teresa	2.39	0.68	9.80	1.33	0.41	4.88	8.65	9.80	9.23								28.72	3.88
Viera, Ralph	3.16	0.75	9.81	1.13	0.78	3.93	8.77	9.79	9.28								28.84	3.92
MAXIMUM	4.59	0.75	9.90	1.81	0.91	5.18	9.39	9.80	9.60								30.98	4.10
MINIMUM	2.20	0.68	9.23	0.82	0.41	3.00	7.92	9.43	8.81								27.23	3.77
RANGE (MAX-MIN)	2.39	0.07	0.67	0.99	0.50	2.18	1.47	0.37	0.79								3.75	0.33
MEAN	3.28	0.74	9.70	1.09	0.76	4.06	8.59	9.65	9.12								28.75	3.89
STD	0.61	0.02	0.18	0.20	0.09	0.66	0.38	0.10	0.21								0.97	0.09



yi within 1 74%
yi within 2 95%
yi within 3 99%

PART ID = A4 - Sequence III Pistol

YI VALUES

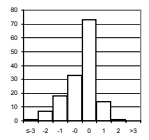
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt								UWPD	WPD	MEAN	STD
Cales, Jonathor	-1.28	-0.11	0.38	-0.13	-0.09	1.18	-1.75	0.45	-1.50								-0.28	0.19	-0.27	0.90
Pansza, Mike	0.60	0.36	0.65	-1.21	0.14	-1.12	1.08	-0.52	0.87								-0.31	-0.54	0.00	0.79
Caproni, David	0.32	-0.11	-0.54	0.55	0.48	0.55	0.98	-0.91	0.68								0.77	0.82	0.33	0.60
Foecking, Brian	0.31	0.36	0.92	0.16	-0.09	-0.66	-0.44	0.35	-0.32								-0.12	-0.04	0.04	0.44
Garcia, Orlando	0.72	0.36	-1.82	0.11	0.36	1.05	-0.51	-1.11	-0.75								0.76	0.34	-0.03	0.85
Hills, Barry	-0.27	0.36	1.09	-0.08	-0.09	0.94	2.11	1.43	2.30								1.15	1.61	0.96	0.89
Sanchez, Ari	2.15	0.36	0.54	-0.43	-0.09	0.56	0.35	-1.01	0.07								1.76	1.29	0.51	0.93
Adams, Pat	-1.79	0.36	0.00	-0.08	-0.09	0.20	-1.54	-0.04	-1.43								-1.30	-0.88	-0.60	0.80
Barrera, Tony	-1.06	0.36	-1.41	0.01	0.14	-0.19	-1.01	-0.13	-0.97								-1.25	-1.32	-0.62	0.66
Avis, Steve	1.66	0.36	0.33	-0.87	0.02	-0.91	0.22	-0.23	0.15								0.34	-0.23	0.08	0.69
Castillo, George	0.21	0.36	1.03	-0.48	0.14	0.02	0.27	-0.72	0.07								0.27	0.43	0.15	0.46
Kobrinetz, Jack	0.22	0.36	0.54	-0.23	0.14	-0.30	0.43	0.84	0.61								0.14	0.20	0.27	0.34
Lowsky, John	-0.01	0.36	-1.19	-0.38	0.02	1.46	-1.06	-2.18	-1.53								0.37	0.12	-0.37	1.04
May, Marianne	-0.07	0.36	-0.32	-0.48	0.48	-0.78	-0.57	-0.33	-0.61								-0.82	-0.94	-0.37	0.46
Radonich, Pete	0.14	0.36	0.81	0.16	-0.09	-0.85	-0.28	0.45	-0.15								-0.33	-0.25	0.00	0.45
Rodriguez, Jesse	-0.98	0.36	-0.92	-0.72	0.59	-0.85	0.40	0.55	0.51								-1.34	-1.35	-0.34	0.81
Seiz, Ray	0.95	-2.98	-2.54	3.55	1.74	1.70	1.32	-1.30	0.90								-2.29	2.51	0.74	2.11
Shoda, Ron	-0.87	0.36	0.54	0.46	0.14	-1.45	-1.38	0.26	-1.21								-1.57	-1.28	-0.55	0.88
Szynal, Stepher	0.73	0.36	0.54	-1.31	-0.09	-1.60	0.72	1.43	1.02								-0.59	-0.99	0.02	1.01
Terrado, Teresa	-1.48	-2.98	0.54	1.19	-3.98	1.24	0.17	1.43	0.51								-0.04	-0.07	-0.31	1.77
Viera, Ralph	-0.21	0.36	0.60	0.21	0.25	-0.19	0.48	1.33	0.78								0.09	0.39	0.37	0.44
YI MAXIMUM	2.15	-2.98	-2.54	3.55	-3.98	1.70	2.11	-2.18	2.30								2.29	2.51	0.96	2.11
YI MINIMUM	-0.01	-0.11	0.00	-0.08	-0.09	-0.19	-0.28	-0.04	-0.15								-0.04	-0.04	0.00	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	3.28	0.74	9.70	1.09	0.76	4.06	8.59	9.65	9.12								28.75	3.89		
Ratings STD	0.61	0.02	0.18	0.20	0.09	0.66	0.38	0.10	0.21								0.97	0.09		

Light Duty Rating Workshop

PART ID = A5 - Square-cut Pistor

RATED VALUES

	Groove 1	Groove 2	Groove 3	Groove 4	Land 2	Land 3	Land 4									UWPD	WPD
Cales, Jonathor	0.48	9.78	9.90	9.90	6.61	9.85	9.85									56.37	56.37
Pansza, Mike	0.39	9.26	9.67	9.72	5.83	9.37	9.38									53.62	53.62
Tschirhart, Garlanc	0.49	9.71	9.90	9.90	5.97	9.50	9.50									54.97	54.97
Caproni, David	0.49	9.65	9.70	9.90	7.10	9.80	9.80									56.44	56.44
Foecking, Brian	0.29	9.22	9.67	9.85	4.72	9.85	9.90									53.50	53.50
Garcia, Orlando	0.48	7.73	9.24	9.62	6.69	9.27	9.21									52.24	52.24
Sanchez, Art	0.48	9.60	9.76	9.90	6.53	9.80	9.80									55.87	55.87
Adams, Pat	0.41	9.04	9.46	9.80	5.20	9.00	9.00									51.91	51.91
Hills, Barry	0.30	9.35	9.84	9.90	5.70	9.90	9.90									54.89	54.89
Barrera, Tony	0.35	9.48	9.80	9.80	4.55	9.00	9.48									52.46	52.46
Avis, Steve	0.38	9.33	9.60	9.85	6.57	9.80	9.80									55.33	55.33
Castillo, George	0.44	8.78	9.70	9.85	6.53	9.61	9.83									54.74	54.74
Kobrinetz, Jack	0.43	9.48	9.80	9.80	6.15	9.80	9.80									55.26	55.26
Lowsky, John	0.64	9.21	9.20	9.60	5.86	9.50	9.50									53.51	53.51
Radonich, Pete	0.35	9.21	9.70	9.90	4.92	9.80	9.90									53.78	53.78
Rodriguez, Jesse	0.38	8.67	9.70	9.70	5.40	9.50	9.50									52.85	52.85
Seiz, Ray	0.31	9.31	9.33	9.50	5.49	9.20	9.40									52.54	52.54
Shoda, Ron	0.74	9.68	9.80	9.40	5.30	9.90	9.90									54.72	54.72
Szynal, Stepher	0.43	9.80	9.80	9.80	5.10	9.80	9.80									54.53	54.53
Terrado, Teresa	0.30	9.77	9.90	9.90	3.79	9.80	9.80									53.26	53.26
Viera, Ralph	0.37	8.95	9.78	9.94	6.13	9.66	9.76									54.59	54.59
MAXIMUM	0.74	9.80	9.90	9.94	7.10	9.90	9.90									56.44	56.44
MINIMUM	0.29	7.73	9.20	9.40	3.79	9.00	9.00									51.91	51.91
RANGE (MAX-MIN)	0.45	2.07	0.70	0.54	3.31	0.90	0.90									4.53	4.53
MEAN	0.43	9.29	9.68	9.79	5.72	9.61	9.66									54.16	54.16
STD	0.11	0.48	0.21	0.15	0.83	0.29	0.26									1.34	1.34



Yi within 1 72%
 Yi within 2 94%
 Yi within 3 99%

PART ID = A5 - Square-cut Pistor

Yi VALUES

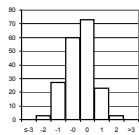
	Groove 1	Groove 2	Groove 3	Groove 4	Land 2	Land 3	Land 4									UWPD	WPD	MEAN	STD
Cales, Jonathor	0.50	1.03	1.08	0.77	1.07	0.85	0.75									1.65	1.65	1.04	0.39
Pansza, Mike	-0.32	-0.05	-0.04	-0.46	0.13	-0.82	-1.08									-0.40	-0.40	-0.38	0.38
Tschirhart, Garlanc	0.59	0.88	1.08	0.77	0.30	-0.37	-0.61									0.60	0.60	0.43	0.57
Caproni, David	0.59	0.76	0.10	0.77	1.66	0.68	0.56									1.70	1.70	0.95	0.59
Foecking, Brian	-1.22	-0.14	-0.04	0.43	-1.20	0.85	0.94									-0.49	-0.49	-0.15	0.79
Garcia, Orlando	0.50	-3.23	-2.13	-1.14	1.16	-1.16	-1.74									-1.43	-1.43	-1.18	1.32
Sanchez, Art	0.50	0.65	0.40	0.77	0.97	0.68	0.56									1.28	1.28	0.79	0.32
Adams, Pat	-0.14	-0.51	-1.06	0.09	-0.63	-2.10	-2.56									-1.68	-1.68	-1.14	0.92
Hills, Barry	-1.13	0.13	0.78	0.77	-0.03	1.02	0.94									0.54	0.54	0.40	0.67
Barrera, Tony	-0.72	0.40	0.59	0.09	-1.41	-2.10	-0.69									-1.27	-1.27	-0.71	0.91
Avis, Steve	-0.41	0.09	-0.38	0.43	1.02	0.68	0.56									0.87	0.87	0.41	0.53
Castillo, George	0.14	-1.05	0.10	0.43	0.97	0.02	0.67									0.43	0.43	0.24	0.57
Kobrinetz, Jack	0.05	0.40	0.59	0.09	0.52	0.68	0.56									0.82	0.82	0.50	0.28
Lowsky, John	1.94	-0.16	-2.32	-1.27	0.17	-0.37	-0.61									-0.49	-0.49	-0.40	1.14
Radonich, Pete	-0.68	-0.16	0.10	0.77	-0.96	0.68	0.94									-0.28	-0.28	0.01	0.66
Rodriguez, Jesse	-0.41	-1.28	0.10	-0.59	-0.39	-0.37	-0.61									-0.98	-0.98	-0.61	0.42
Seiz, Ray	-1.04	0.05	-1.69	-1.95	-0.28	-1.41	-1.00									-1.21	-1.21	-1.08	0.63
Shoda, Ron	2.84	0.82	0.59	-2.63	-0.51	1.02	0.94									0.42	0.42	0.43	1.45
Szynal, Stepher	0.05	1.07	0.59	0.09	-0.75	0.68	0.56									0.28	0.28	0.31	0.51
Terrado, Teresa	-1.13	1.00	1.08	0.77	-2.32	0.68	0.56									-0.67	-0.67	-0.08	1.17
Viera, Ralph	-0.50	-0.70	0.49	1.04	0.49	0.19	0.40									0.32	0.32	0.23	0.53
Yi MAXIMUM	2.84	-3.23	-2.32	-2.63	-2.32	-2.10	-2.56									1.70	1.70	-1.18	1.45
Yi MINIMUM	-0.14	-0.05	-0.04	-0.46	-0.03	-0.37	-0.61									-0.28	-0.28	-0.08	0.28
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	0.43	9.29	9.68	9.79	5.72	9.61	9.66									54.16	54.16		
Ratings STD	0.11	0.48	0.21	0.15	0.83	0.29	0.26									1.34	1.34		

Light Duty Rating Workshop

PART ID = A6 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Cales, Jonathor	0.75	6.81	8.81	1.15	6.69	2.83	9.07	9.90	9.49						36.53	5.89
Pansza, Mike	0.69	7.02	8.36	1.77	6.96	2.75	8.52	9.86	9.19						36.74	5.96
Tschirhart, Garland	0.75	7.60	8.72	1.36	7.25	2.62	9.00	9.80	9.40						37.70	6.12
Caproni, David	0.75	6.63	8.77	1.70	6.39	3.01	8.83	10.00	9.42						36.67	5.87
Foecking, Brian	0.75	6.42	9.01	1.51	5.44	2.11	8.57	9.90	9.24						34.48	5.47
Garcia, Orlando	0.80	7.10	8.41	1.53	6.59	2.70	8.39	9.90	9.15						36.28	5.82
Hills, Barry	0.75	7.61	9.33	1.18	6.54	2.30	9.60	9.90	9.75						37.46	6.01
Sanchez, Art	0.64	7.15	9.23	1.19	6.76	2.57	8.89	9.77	9.23						36.77	5.98
Adams, Pat	0.75	7.01	9.14	1.36	6.59	2.80	8.68	9.80	9.24						36.89	5.95
Barrera, Tony	0.47	7.19	8.68	1.12	6.09	2.20	8.48	9.92	9.20						34.95	5.61
Avis, Steve	0.75	7.02	9.13	1.27	6.21	2.15	8.92	9.82	9.37						35.90	5.77
Castillo, George	0.91	6.48	9.06	1.33	5.82	2.83	9.05	10.00	9.53						35.96	5.69
Kobrinetz, Jack	0.91	7.11	8.82	0.98	6.30	2.12	9.12	9.90	9.51						35.75	5.72
Lowsky, John	1.02	6.90	8.68	1.21	6.90	3.55	8.53	9.80	9.17						37.43	6.00
May, Marianne	0.75	7.30	9.01	1.48	6.60	2.31	8.84	9.96	9.40						36.85	5.94
Radonich, Pete	0.75	6.50	9.10	1.54	5.66	2.28	8.67	9.95	9.31						35.04	5.57
Rodriguez, Jesse	1.25	7.08	9.13	1.08	6.74	2.72	8.84	9.80	9.37						37.37	5.99
Shoda, Ron	0.97	6.76	8.98	1.17	5.49	2.00	8.88	9.90	9.39						34.76	5.48
Szynal, Stepher	0.75	6.94	8.75	1.70	5.80	1.00	8.99	9.80	9.40						34.34	5.52
Terrado, Teresa	0.86	7.35	9.00	1.17	7.20	3.25	8.76	9.90	9.33						38.16	6.17
Viera, Ralph	0.74	7.44	9.30	1.46	6.94	2.24	9.15	9.99	9.57						37.69	6.12
MAXIMUM	1.25	7.61	9.33	1.77	7.25	3.55	9.60	10.00	9.75						38.16	6.17
MINIMUM	0.47	6.42	8.36	0.98	5.44	1.00	8.39	9.77	9.15						34.34	5.47
RANGE (MAX-MIN)	0.78	1.19	0.97	0.79	1.81	2.55	1.21	0.23	0.61						3.83	0.70
MEAN	0.80	7.02	8.92	1.35	6.42	2.49	8.84	9.89	9.36						36.37	5.84
STD	0.16	0.34	0.27	0.22	0.55	0.53	0.28	0.07	0.15						1.14	0.22



yi within 1 70%
yi within 2 97%
yi within 3 100%

PART ID = A6 - Sequence III Pistol

YI VALUES

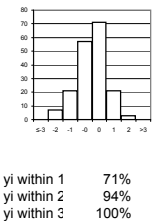
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD	
Cales, Jonathor	-0.31	-0.62	-0.43	-0.88	0.49	0.64	0.83	0.16	0.80						0.14	0.23	0.10	0.58	
Pansza, Mike	-0.70	0.00	-2.12	1.90	0.99	0.49	-1.12	-0.42	-1.14						0.33	0.53	-0.11	1.13	
Tschirhart, Garland	-0.31	1.70	-0.77	0.06	1.52	0.24	0.58	-1.28	0.24						1.17	1.30	0.41	0.96	
Caproni, David	-0.31	-1.15	-0.58	1.59	-0.06	0.98	-0.03	1.59	0.34						0.26	0.13	0.25	0.85	
Foecking, Brian	-0.31	-1.76	0.32	0.74	-1.80	-0.72	-0.95	0.16	-0.85						-1.66	-1.69	-0.77	0.91	
Garcia, Orlando	0.01	0.23	-1.93	0.83	0.31	0.39	-1.58	0.16	-1.44						-0.08	-0.08	-0.29	0.92	
Hills, Barry	-0.31	1.73	1.52	-0.74	0.22	-0.36	2.70	0.16	2.55						0.96	0.77	0.84	1.18	
Sanchez, Art	-1.02	0.38	1.14	-0.70	0.62	0.15	-0.52	-1.71	-0.88						0.36	0.64	-0.14	0.88	
Adams, Pat	-0.31	-0.03	0.81	0.06	0.31	0.58	-0.56	-1.28	-0.81						0.46	0.51	-0.02	0.65	
Barrera, Tony	-2.11	0.50	-0.92	-1.01	-0.61	-0.55	-1.27	0.44	-1.08						-1.25	-1.05	-0.81	0.75	
Avis, Steve	-0.31	0.00	0.77	-0.34	-0.39	-0.65	0.29	-0.99	0.05						-0.41	-0.32	-0.21	0.47	
Castillo, George	0.72	-1.59	0.51	-0.07	-1.10	0.64	0.75	1.59	1.07						-0.36	-0.71	0.13	0.98	
Kobrinetz, Jack	0.72	0.26	-0.39	-1.64	-0.22	-0.70	1.00	0.16	0.97						-0.54	-0.55	-0.09	0.80	
Lowsky, John	1.43	-0.35	-0.92	-0.61	0.88	2.00	-1.09	-1.28	-1.31						0.93	0.73	0.04	1.19	
May, Marianne	-0.31	0.82	0.32	0.60	0.33	-0.34	0.01	1.02	0.24						0.43	0.47	0.33	0.42	
Radonich, Pete	-0.31	-1.53	0.66	0.87	-1.58	-0.40	-0.59	0.88	-0.35						-1.17	-1.27	-0.44	0.92	
Rodriguez, Jesse	2.91	0.18	0.77	-1.19	0.58	0.43	0.01	0.16	0.05						0.88	0.69	0.50	0.98	
Shoda, Ron	1.11	-0.76	0.21	-0.79	-1.71	-0.93	0.15	0.16	0.18						-1.41	-1.65	-0.50	0.91	
Szynal, Stepher	-0.31	-0.23	-0.65	1.59	-1.14	-2.82	0.54	-1.28	0.21						-1.79	-1.50	-0.67	1.22	
Terrado, Teresa	0.40	0.97	0.28	-0.79	1.43	1.43	-0.27	0.16	-0.22						1.58	1.52	0.59	0.84	
Viera, Ralph	-0.37	1.23	1.41	0.51	0.95	-0.48	1.11	1.45	1.37						1.17	1.30	0.88	0.69	
YI MAXIMUM	2.91	-1.76	-2.12	1.90	-1.80	-2.82	2.70	-1.71	2.55						-1.79	-1.69	0.88	1.22	
YI MINIMUM	-0.31	-0.03	-0.39	-0.07	-0.06	0.15	-0.03	0.16	0.05						-0.08	-0.08	-0.02	0.42	
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	7.02	8.92	1.35	6.42	2.49	8.84	9.89	9.36						36.37	5.84			
Ratings STD	0.16	0.34	0.27	0.22	0.55	0.53	0.28	0.07	0.15						1.14	0.22			

Light Duty Rating Workshop

PART ID = B1 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Caproni, David	0.75	9.73	9.80	5.91	9.80	7.95	9.80	10.00	9.90							53.84	8.58
Lopez, Frank	0.75	9.06	9.80	5.32	9.80	7.73	9.62	9.90	9.76							52.22	8.39
Cales, Jonathor	0.75	9.37	9.90	5.66	9.90	8.00	9.88	9.90	9.89							53.47	8.56
Barrera, Tony	0.69	9.14	9.90	5.30	9.68	7.81	9.64	9.93	9.79							52.31	8.39
Foeking, Brian	0.75	9.52	9.90	5.68	9.95	7.98	9.78	9.95	9.87							53.65	8.59
Garcia, Orlando	0.78	9.12	9.45	5.27	9.45	7.92	9.44	9.80	9.62							51.61	8.22
Hillis, Barry	0.75	9.59	9.90	5.52	9.90	9.01	9.89	9.90	9.90							54.57	8.67
Adams, Pat	0.75	9.36	9.80	4.59	9.80	8.15	9.67	9.80	9.74							52.19	8.35
Avis, Steve	0.75	9.42	9.90	5.57	9.78	8.55	9.57	9.86	9.72							53.69	8.56
Castillo, George	0.75	9.30	9.98	5.43	9.99	8.11	9.56	10.00	9.78							53.34	8.56
Kobrinetz, Jack	0.85	9.40	9.80	5.92	9.90	8.25	9.70	9.90	9.80							53.92	8.61
Lowsky, John	0.75	9.10	9.50	6.14	9.50	8.35	9.40	9.50	9.45							52.79	8.40
May, Marianne	0.75	9.43	9.83	5.39	9.89	8.02	9.59	9.92	9.76							53.07	8.50
Radonich, Pete	0.75	9.40	9.90	5.54	9.90	7.99	9.70	9.90	9.80							53.28	8.54
Ramirez, Manny	0.60	9.42	10.00	4.67	9.96	7.57	9.90	10.00	9.95							52.17	8.41
Seiz, Ray	0.92	9.01	9.50	5.77	9.50	8.22	9.67	9.60	9.64							52.56	8.35
Shoda, Ron	0.81	9.21	9.90	5.49	9.90	8.13	9.74	9.90	9.82							53.26	8.53
Szynal, Stepher	0.75	9.59	9.80	5.10	9.80	7.51	9.80	9.80	9.80							52.35	8.39
Tuchsen, Richarc	0.94	9.28	9.70	4.13	9.70	8.29	9.60	9.70	9.65							51.69	8.24
Viera, Ralph	0.68	9.65	9.93	5.72	9.94	8.37	9.83	9.99	9.91							54.20	8.65
MAXIMUM	0.94	9.73	10.00	6.14	9.99	9.01	9.90	10.00	9.95							54.57	8.67
MINIMUM	0.60	9.01	9.45	4.13	9.45	7.51	9.40	9.50	9.45							51.61	8.22
RANGE (MAX-MIN)	0.34	0.72	0.55	2.01	0.54	1.50	0.50	0.50	0.50							2.96	0.44
MEAN	0.76	9.36	9.81	5.41	9.80	8.10	9.69	9.86	9.78							53.01	8.47
STD	0.07	0.20	0.16	0.48	0.16	0.34	0.14	0.13	0.12							0.85	0.13



PART ID = B1 - Sequence III Pistol

YI VALUES

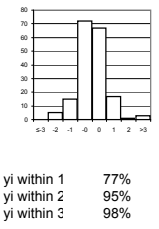
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Caproni, David	-0.18	1.84	-0.06	1.04	-0.01	-0.43	0.79	1.03	1.03							0.99	0.83	0.62	0.69
Lopez, Frank	-0.18	-1.45	-0.06	-0.18	-0.01	-1.08	-0.49	0.28	-0.13							-0.93	-0.64	-0.44	0.53
Cales, Jonathor	-0.18	0.07	0.57	0.52	0.61	-0.28	1.35	0.28	0.95							0.55	0.68	0.47	0.48
Barrera, Tony	-0.98	-1.06	0.57	-0.22	-0.76	-0.84	-0.35	0.51	0.08							-0.83	-0.67	-0.41	0.58
Foeking, Brian	-0.18	0.81	0.57	0.57	0.92	-0.34	0.64	0.66	0.74							0.75	0.90	0.55	0.42
Garcia, Orlando	0.22	-1.16	-2.28	-0.28	-2.19	-0.52	-1.76	-0.47	-1.29							-1.65	-1.95	-1.21	0.84
Hillis, Barry	-0.18	1.16	0.57	0.24	0.61	2.69	1.42	0.28	0.99							1.84	1.46	1.01	0.83
Adams, Pat	-0.18	0.02	-0.06	-1.68	-0.01	0.16	-0.13	-0.47	-0.34							-0.97	-0.95	-0.42	0.56
Avis, Steve	-0.18	0.32	0.57	0.34	-0.14	1.34	-0.84	-0.02	-0.51							0.80	0.62	0.21	0.62
Castillo, George	-0.18	-0.27	1.08	0.05	1.17	0.04	-0.91	1.03	0.04							0.39	0.69	0.29	0.66
Kobrinetz, Jack	1.15	0.22	-0.06	1.06	0.61	0.46	0.08	0.28	0.20							1.08	1.01	0.55	0.45
Lowsky, John	-0.18	-1.25	-1.97	1.51	-1.88	0.75	-2.05	-2.73	-2.71							-0.26	-0.58	-1.03	1.40
May, Marianne	-0.18	0.37	0.13	-0.03	0.55	-0.22	-0.70	0.43	-0.17							0.07	0.19	0.04	0.36
Radonich, Pete	-0.18	0.22	0.57	0.28	0.61	-0.31	0.08	0.28	0.20							0.32	0.49	0.23	0.29
Ramirez, Manny	-2.18	0.32	1.21	-1.52	0.98	-1.55	1.49	1.03	1.45							-0.99	-0.47	-0.02	1.36
Seiz, Ray	2.09	-1.70	-1.97	0.75	-1.88	0.37	-0.13	-1.98	-1.17							-0.54	-0.97	-0.65	1.31
Shoda, Ron	0.62	-0.71	0.57	0.17	0.61	0.10	0.36	0.28	0.37							0.30	0.43	0.28	0.37
Szynal, Stepher	-0.18	1.16	-0.06	-0.63	-0.01	-1.72	0.79	-0.47	0.20							-0.78	-0.63	-0.21	0.78
Tuchsen, Richarc	2.35	-0.37	-0.70	-2.63	-0.64	0.57	-0.63	-1.22	-1.05							-1.56	-1.81	-0.70	1.31
Viera, Ralph	-1.11	1.45	0.77	0.65	0.86	0.81	1.00	0.96	1.12							1.41	1.37	0.84	0.70
YI MAXIMUM	2.35	1.84	-2.28	-2.63	-2.19	2.69	-2.05	-2.73	-2.71							1.84	-1.95	-1.21	1.40
YI MINIMUM	-0.18	-0.27	-0.06	-0.03	-0.01	-0.22	-0.13	-0.02	-0.13							-0.26	-0.47	-0.02	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	0.76	9.36	9.81	5.41	9.80	8.10	9.69	9.86	9.78							53.01	8.47		
Ratings STD	0.07	0.20	0.16	0.48	0.16	0.34	0.14	0.13	0.12							0.85	0.13		

Light Duty Rating Workshop

PART ID = B2 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD
Caproni, David	1.39	6.31	9.08	4.33	9.12	2.67	9.56	9.80	9.68						42.58	7.14
Lopez, Frank	0.92	5.37	9.50	4.41	9.62	1.78	9.36	9.88	9.62						41.22	7.17
Cales, Jonathor	1.14	6.11	9.38	3.18	9.33	2.92	9.79	9.90	9.85						41.91	7.10
Barrera, Tony	1.22	6.08	9.27	3.41	8.78	2.99	9.55	9.95	9.75						41.50	6.94
Foecking, Brian	1.01	6.52	9.55	3.51	9.58	2.41	9.64	9.85	9.75						42.33	7.23
Garcia, Orlando	1.06	5.77	8.63	3.40	8.83	3.49	9.25	9.84	9.55						40.73	6.82
Hillis, Barry	0.92	7.32	9.67	2.97	9.71	2.15	9.84	9.90	9.87						42.61	7.27
Adams, Pat	0.78	6.87	9.53	2.21	9.39	3.40	9.40	9.71	9.56						41.74	7.08
Avis, Steve	0.98	6.58	9.59	3.66	9.44	2.72	9.33	9.84	9.59						42.56	7.24
Castillo, George	1.04	6.64	9.49	3.34	9.48	2.82	9.64	9.86	9.75						42.56	7.22
Kobrinetz, Jack	1.29	6.82	9.45	3.64	9.55	2.74	9.58	9.80	9.69						43.18	7.29
Lowsky, John	1.42	7.10	9.13	3.60	9.23	5.05	9.35	9.48	9.42						44.95	7.36
May, Marianne	0.98	6.13	9.26	3.55	9.44	2.49	9.60	9.91	9.76						41.61	7.10
Radonich, Pete	1.03	6.58	9.65	3.66	9.68	2.35	9.63	9.80	9.72						42.67	7.30
Ramirez, Manny	1.26	6.41	9.02	4.12	8.81	3.43	9.10	9.88	9.49						42.54	7.06
Seiz, Ray	1.91	7.06	8.82	3.11	9.25	2.45	9.45	9.58	9.52						42.12	7.00
Shoda, Ron	1.14	6.90	9.40	3.54	9.34	2.55	9.12	9.80	9.46						42.33	7.16
Szynal, Stepher	0.93	6.47	9.77	3.52	9.67	2.76	9.62	9.80	9.71						42.83	7.32
Tuchsen, Richard	0.90	7.82	9.24	5.98	9.70	2.66	9.70	9.80	9.75						46.05	7.72
Viera, Ralph	1.11	6.31	9.53	4.11	9.50	2.57	9.58	9.96	9.77						42.90	7.29
MAXIMUM	1.91	7.82	9.77	5.98	9.71	5.05	9.84	9.96	9.87						46.05	7.72
MINIMUM	0.78	5.37	8.63	2.21	8.78	1.78	9.10	9.48	9.42						40.73	6.82
RANGE (MAX-MIN)	1.13	2.45	1.14	3.77	0.93	3.27	0.74	0.48	0.46						5.33	0.90
MEAN	1.12	6.56	9.35	3.66	9.37	2.82	9.50	9.82	9.66						42.54	7.19
STD	0.25	0.55	0.29	0.73	0.29	0.67	0.20	0.12	0.13						1.19	0.19



PART ID = B2 - Sequence III Pistol

YI VALUES

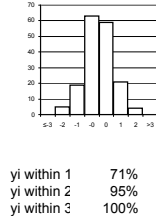
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt						UWPD	WPD	MEAN	STD
Caproni, David	1.07	-0.45	-0.91	0.91	-0.86	-0.22	0.27	-0.15	0.15						0.03	-0.29	-0.04	0.63
Lopez, Frank	-0.80	-2.15	0.52	1.02	0.84	-1.55	-0.71	0.54	-0.31						-1.11	-0.11	-0.35	1.02
Cales, Jonathor	0.07	-0.81	0.11	-0.66	-0.14	0.15	1.40	0.72	1.42						-0.54	-0.51	0.11	0.78
Barrera, Tony	0.39	-0.87	-0.27	-0.34	-2.02	0.25	0.22	1.15	0.69						-0.87	-1.33	-0.27	0.94
Foecking, Brian	-0.44	-0.07	0.69	-0.21	0.71	-0.61	0.66	0.28	0.65						-0.18	0.20	0.15	0.49
Garcia, Orlando	-0.25	-1.43	-2.44	-0.36	-1.85	1.00	-1.25	0.20	-0.89						-1.52	-2.00	-0.98	1.04
Hillis, Barry	-0.80	1.38	1.10	-0.94	1.15	-1.00	1.65	0.72	1.61						0.06	0.44	0.49	1.02
Adams, Pat	-1.36	0.56	0.62	-1.98	0.06	0.87	-0.51	-0.92	-0.82						-0.68	-0.62	-0.43	0.88
Avis, Steve	-0.56	0.04	0.82	0.00	0.23	-0.15	-0.86	0.20	-0.58						0.01	0.25	-0.06	0.47
Castillo, George	-0.32	0.15	0.48	-0.44	0.37	0.00	0.66	0.37	0.69						0.01	0.14	0.19	0.37
Kobrinetz, Jack	0.67	0.47	0.35	-0.03	0.60	-0.12	0.37	-0.15	0.23						0.53	0.54	0.31	0.29
Lowsky, John	1.19	0.98	-0.74	-0.09	-0.48	3.33	-0.76	-2.91	-1.90						2.01	0.92	0.14	1.78
May, Marianne	-0.56	-0.77	-0.30	-0.15	0.23	-0.49	0.47	0.80	0.73						-0.79	-0.47	-0.12	0.58
Radonich, Pete	-0.36	0.04	1.03	0.00	1.05	-0.70	0.62	-0.15	0.42						0.10	0.58	0.24	0.55
Ramirez, Manny	0.55	-0.27	-1.12	0.62	-1.91	0.91	-1.98	0.54	-1.32						0.00	-0.70	-0.42	1.05
Seiz, Ray	3.14	0.91	-1.80	-0.75	-0.42	-0.55	-0.27	-2.04	-1.12						-0.36	-1.00	-0.39	1.41
Shoda, Ron	0.07	0.62	0.18	-0.17	-0.11	-0.40	-1.89	-0.15	-1.55						-0.18	-0.16	-0.34	0.73
Szynal, Stepher	-0.76	-0.16	1.44	-0.19	1.01	-0.09	0.57	-0.15	0.38						0.24	0.71	0.27	0.63
Tuchsen, Richard	-0.88	2.28	-0.37	3.16	1.11	-0.24	0.96	-0.15	0.69						2.94	2.86	1.12	1.47
Viera, Ralph	-0.05	-0.45	0.62	0.61	0.43	-0.37	0.37	1.23	0.84						0.30	0.55	0.37	0.50
YI MAXIMUM	3.14	2.28	-2.44	3.16	-2.02	3.33	-1.98	-2.91	-1.90						2.94	2.86	1.12	1.78
YI MINIMUM	-0.05	-0.07	-0.27	0.00	-0.11	-0.09	0.22	-0.15	0.15						0.00	-0.11	-0.04	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	1.12	6.56	9.35	3.66	9.37	2.82	9.50	9.82	9.66						42.54	7.19		
Ratings STD	0.25	0.55	0.29	0.73	0.29	0.67	0.20	0.12	0.13						1.19	0.19		

Light Duty Rating Workshop

PART ID = B3 - Sequence III Pisto

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD
Caproni, David	1.09	0.49	7.68	0.62	2.10	2.86	8.84	9.90	9.37							24.21	3.59
Lopez, Frank	0.71	0.75	8.07	0.79	1.38	2.31	8.76	9.90	9.33							23.34	3.42
Cales, Jonathor	0.57	0.66	8.28	0.56	1.92	2.88	9.22	9.90	9.56							24.43	3.65
Barrera, Tony	0.67	0.83	7.96	0.74	1.80	2.75	8.48	9.88	9.18							23.93	3.55
Foecking, Brian	0.63	0.85	8.26	0.77	1.65	1.92	9.09	9.90	9.50							23.58	3.52
Garcia, Orlando	0.87	0.84	7.96	0.85	2.09	2.90	8.27	10.00	9.14							24.65	3.68
Hills, Barry	0.67	0.75	8.87	0.84	1.62	2.10	9.72	9.90	9.81							24.66	3.69
Adams, Pat	0.65	0.75	8.04	0.68	1.69	1.85	9.28	9.80	9.54							23.20	3.46
Avis, Steve	0.60	0.75	8.64	0.75	1.72	2.76	9.06	9.86	9.46							24.68	3.68
Castillo, George	0.73	0.84	7.97	0.79	1.79	2.41	9.34	10.00	9.67							24.20	3.58
Kobrinetz, Jack	0.74	0.83	8.47	0.68	1.55	2.28	9.24	9.90	9.57							24.12	3.57
May, Marianne	0.76	0.75	8.22	0.74	1.72	2.28	9.26	9.92	9.59							24.06	3.57
Radonich, Pete	0.75	0.84	8.33	0.76	1.69	2.15	9.11	9.90	9.51							24.03	3.57
Ramirez, Manny	0.47	0.53	7.81	0.69	2.79	3.50	8.67	9.90	9.29							25.08	3.86
Seiz, Ray	1.13	0.92	8.26	0.83	2.12	3.29	9.45	9.70	9.58							26.13	3.85
Shoda, Ron	0.69	0.75	7.73	0.78	1.61	2.70	8.78	9.90	9.34							23.60	3.46
Szynal, Stepher	0.75	0.75	8.81	0.75	1.33	2.38	9.54	9.80	9.67							24.44	3.59
Tuchsen, Richarc	0.78	0.90	8.92	0.83	2.93	3.51	9.76	9.80	9.78							27.65	4.25
Viera, Ralph	0.64	0.72	9.08	0.73	1.86	2.85	9.31	9.96	9.64							25.52	3.84
MAXIMUM	1.13	0.92	9.08	0.85	2.93	3.51	9.76	10.00	9.81							27.65	4.25
MINIMUM	0.47	0.49	7.68	0.56	1.33	1.85	8.27	9.70	9.14							23.20	3.42
RANGE (MAX-MIN)	0.66	0.43	1.40	0.29	1.60	1.66	1.49	0.30	0.68							4.45	0.82
MEAN	0.73	0.76	8.28	0.75	1.86	2.61	9.11	9.89	9.50							24.50	3.65
STD	0.16	0.11	0.42	0.08	0.41	0.49	0.40	0.07	0.19							1.05	0.19



PART ID = B3 - Sequence III Pisto

YI VALUES

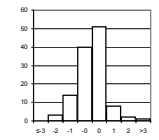
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt							UWPD	WPD	MEAN	STD
Caproni, David	2.25	-2.47	-1.44	-1.68	0.58	0.50	-0.69	0.21	-0.70							-0.28	-0.34	-0.37	1.28
Lopez, Frank	-0.14	-0.12	-0.51	0.58	-1.17	-0.62	-0.89	0.21	-0.91							-1.11	-1.20	-0.53	0.60
Cales, Jonathor	-1.01	-0.93	-0.01	-2.47	0.14	0.54	0.26	0.21	0.32							-0.07	0.02	-0.27	0.88
Barrera, Tony	-0.39	0.60	-0.77	-0.08	-0.15	0.28	-1.59	-0.07	-1.71							-0.54	-0.52	-0.45	0.71
Foecking, Brian	-0.64	0.79	-0.05	0.31	-0.51	-1.42	-0.06	0.21	-0.03							-0.88	-0.68	-0.27	0.62
Garcia, Orlando	0.87	0.69	-0.77	1.38	0.55	0.58	-2.12	1.61	-1.95							0.14	0.14	0.10	1.23
Hills, Barry	-0.39	-0.12	1.41	1.24	-0.58	-1.05	1.52	0.21	1.66							0.15	0.18	0.38	0.93
Adams, Pat	-0.51	-0.12	-0.58	-0.88	-0.41	-1.56	0.41	-1.19	0.21							-1.24	-0.98	-0.62	0.62
Avis, Steve	-0.83	-0.12	0.86	0.05	-0.34	0.30	-0.14	-0.35	-0.21							0.17	0.17	-0.04	0.43
Castillo, George	-0.01	0.69	-0.75	0.58	-0.17	-0.42	0.56	1.61	0.91							-0.29	-0.38	0.21	0.71
Kobrinetz, Jack	0.05	0.60	0.45	-0.88	-0.75	-0.68	0.31	0.21	0.37							-0.36	-0.45	-0.10	0.54
May, Marianne	0.18	-0.12	-0.15	-0.08	-0.34	-0.68	0.36	0.49	0.48							-0.42	-0.42	-0.06	0.40
Radonich, Pete	0.12	0.69	0.11	0.18	-0.41	-0.95	-0.01	0.21	0.03							-0.45	-0.40	-0.08	0.44
Ramirez, Manny	-1.64	-2.11	-1.13	-0.75	2.25	1.81	-1.11	0.21	-1.15							0.55	1.08	-0.18	1.45
Seiz, Ray	2.50	1.42	-0.05	1.11	0.63	1.38	0.84	-2.59	0.40							1.55	1.03	0.75	1.29
Shoda, Ron	-0.26	-0.12	-1.32	0.45	-0.61	0.17	-0.84	0.21	-0.86							-0.86	-1.00	-0.46	0.58
Szynal, Stepher	0.12	-0.12	1.26	0.05	-1.29	-0.48	1.06	-1.19	0.91							-0.06	-0.31	0.00	0.84
Tuchsen, Richarc	0.30	1.24	1.53	1.11	2.59	1.83	1.62	-1.19	1.50							3.01	3.11	1.51	1.23
Viera, Ralph	-0.57	-0.39	1.91	-0.22	0.00	0.48	0.49	1.05	0.72							0.97	0.97	0.49	0.74
YI MAXIMUM	2.50	-2.47	1.91	-2.47	2.59	1.83	-2.12	-2.59	-1.95							3.01	3.11	1.51	1.45
YI MINIMUM	-0.01	-0.12	-0.01	-0.08	0.00	0.17	-0.01	-0.07	-0.03							-0.06	-0.31	0.00	0.40
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	0.76	8.28	0.75	1.86	2.61	9.11	9.89	9.50							24.50	3.65		
Ratings STD	0.16	0.11	0.42	0.08	0.41	0.49	0.40	0.07	0.19							1.05	0.19		

Light Duty Rating Workshop

PART ID = B5 - Square-cut Piston

RATED VALUES

	Groove 1	Groove 2	Groove 3	Groove 4	Land 2	Land 3	Land 4											UWPD	WPD
Caproni, David	0.20	2.59	9.80	9.80	0.84	9.00	8.98											41.21	41.21
Lopez, Frank	0.18	2.33	9.80	9.60	1.21	9.40	8.56											41.08	41.08
Cales, Jonathor	0.20	2.07	9.85	9.85	0.67	9.78	8.90											41.32	41.32
Barrera, Tony	0.30	2.50	9.15	8.95	1.05	8.99	8.90											39.84	39.84
Foeking, Brian	0.17	2.05	9.75	9.78	0.60	9.69	8.67											40.71	40.71
Garcia, Orlando	0.15	1.88	9.42	9.17	1.15	9.17	8.75											39.69	39.69
Hills, Barry	0.24	1.66	9.80	9.87	0.91	9.84	9.57											41.89	41.89
Adams, Pat	0.36	1.53	9.69	9.80	1.25	9.25	8.80											40.68	40.68
Avis, Steve	0.13	2.01	9.60	9.63	0.82	9.70	9.24											41.13	41.13
Kobrinetz, Jack	0.26	2.48	9.80	9.80	1.18	9.70	9.46											42.68	42.68
May, Marianne	0.17	2.71	9.87	9.71	1.11	9.53	9.22											42.32	42.32
Radonich, Pete	0.17	2.14	9.80	9.75	0.91	9.65	8.81											41.23	41.23
Ramirez, Manny	0.23	2.93	9.25	9.64	0.65	9.14	8.14											39.98	39.98
Seiz, Ray	0.19	3.26	9.50	9.40	1.94	9.04	8.83											42.16	42.16
Shoda, Ron	0.41	2.62	9.70	9.70	1.17	9.64	9.20											42.44	42.44
Szynal, Stepher	0.45	1.93	9.80	9.80	1.30	9.80	9.20											42.28	42.28
Tuchsen, Richarc	0.90	2.50	9.40	9.80	1.56	8.99	8.98											42.13	42.13
MAXIMUM	0.90	3.26	9.87	9.87	1.94	9.84	9.57											42.68	42.68
MINIMUM	0.13	1.53	9.15	8.95	0.60	8.99	8.14											39.69	39.69
RANGE (MAX-MIN)	0.77	1.73	0.72	0.92	1.34	0.85	1.43											2.99	2.99
MEAN	0.28	2.31	9.65	9.65	1.08	9.43	8.95											41.34	41.34
STD	0.19	0.46	0.22	0.25	0.34	0.32	0.35											0.94	0.94



yi within 1 76%
 yi within 2 95%
 yi within 3 99%

PART ID = B5 - Square-cut Piston

YI VALUES

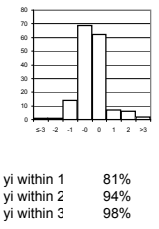
	Groove 1	Groove 2	Groove 3	Groove 4	Land 2	Land 3	Land 4											UWPD	WPD	MEAN	STD
Caproni, David	-0.42	0.62	0.69	0.59	-0.70	-1.34	0.08											-0.14	-0.14	-0.08	0.68
Lopez, Frank	-0.52	0.05	0.69	-0.20	0.39	-0.09	-1.14											-0.27	-0.27	-0.15	0.52
Cales, Jonathor	-0.42	-0.52	0.92	0.79	-1.20	1.09	-0.15											-0.02	-0.02	0.05	0.75
Barrera, Tony	0.12	0.43	-2.24	-2.77	-0.08	-1.37	-0.15											-1.59	-1.59	-1.03	1.14
Foeking, Brian	-0.58	-0.56	0.47	0.51	-1.40	0.81	-0.82											-0.67	-0.67	-0.32	0.74
Garcia, Orlando	-0.69	-0.93	-1.02	-1.90	0.21	-0.81	-0.59											-1.75	-1.75	-1.02	0.68
Hills, Barry	-0.20	-1.42	0.69	0.87	-0.49	1.28	1.78											0.58	0.58	0.41	0.97
Adams, Pat	0.45	-1.70	0.20	0.59	0.51	-0.56	-0.44											-0.70	-0.70	-0.26	0.76
Avis, Steve	-0.79	-0.65	-0.21	-0.08	-0.76	0.84	0.83											-0.22	-0.22	-0.14	0.61
Kobrinetz, Jack	-0.09	0.38	0.69	0.59	0.30	0.84	1.46											1.42	1.42	0.78	0.56
May, Marianne	-0.58	0.89	1.01	0.24	0.10	0.31	0.77											1.04	1.04	0.53	0.56
Radonich, Pete	-0.58	-0.36	0.69	0.40	-0.49	0.68	-0.41											-0.12	-0.12	-0.03	0.50
Ramirez, Manny	-0.25	1.37	-1.78	-0.04	-1.26	-0.90	-2.35											-1.44	-1.44	-0.90	1.11
Seiz, Ray	-0.47	2.09	-0.66	-0.99	2.53	-1.21	-0.36											0.87	0.87	0.30	1.36
Shoda, Ron	0.72	0.69	0.24	0.20	0.27	0.65	0.71											1.17	1.17	0.65	0.36
Szynal, Stepher	0.93	-0.82	0.69	0.59	0.65	1.15	0.71											1.00	1.00	0.66	0.59
Tuchsen, Richarc	3.37	0.43	-1.11	0.59	1.42	-1.37	0.08											0.84	0.84	0.56	1.39
Yi MAXIMUM	3.37	2.09	-2.24	-2.77	2.53	-1.37	-2.35											-1.75	-1.75	-1.03	1.39
Yi MINIMUM	-0.09	0.05	0.20	-0.04	-0.08	-0.09	0.08											-0.02	-0.02	-0.03	0.36
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	0.28	2.31	9.65	9.65	1.08	9.43	8.95											41.34	41.34		
Ratings STD	0.19	0.46	0.22	0.25	0.34	0.32	0.35											0.94	0.94		

Light Duty Rating Workshop

PART ID = B6 - Sequence III Pistol

RATED VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt								UWPD	WPD	
Caproni, David	0.83	0.95	8.03	0.80	2.20	0.99	7.57	9.80	8.69								22.49	3.49	
Lopez, Frank	0.84	1.06	7.52	0.87	2.03	1.00	7.15	9.90	8.53								21.85	3.34	
Cales, Jonathor	0.57	0.71	7.84	0.67	1.98	0.99	8.38	9.90	9.14								21.90	3.38	
Barrera, Tony	0.85	0.87	7.89	0.49	2.12	1.09	7.40	9.79	8.60								21.91	3.39	
Foecking, Brian	0.79	0.91	7.93	0.53	2.15	1.10	7.93	9.90	8.92								22.33	3.44	
Garcia, Orlando	0.94	0.88	7.53	0.80	2.71	0.84	8.11	9.85	8.98								22.68	3.56	
Hills, Barry	0.83	0.68	8.40	0.47	2.11	1.00	9.17	9.90	9.54								23.03	3.55	
Adams, Pat	0.88	0.67	7.63	0.56	2.32	0.81	7.80	9.70	8.75								21.62	3.37	
Avis, Steve	0.94	0.66	8.10	0.76	2.38	1.10	7.95	9.90	8.93								22.87	3.56	
Castillo, George	0.93	0.94	7.91	1.17	2.07	1.05	8.35	9.91	9.13								23.20	3.54	
Kobrinetz, Jack	0.90	0.86	7.85	0.79	2.11	0.95	8.50	9.90	9.20								22.66	3.47	
May, Marianne	0.96	0.85	7.81	0.83	2.31	0.94	8.24	9.89	9.07								22.77	3.51	
Radonich, Pete	0.81	0.90	8.05	0.67	2.13	1.00	7.83	9.90	8.87								22.43	3.47	
Ramirez, Manny	0.84	0.87	6.83	0.75	2.70	2.00	8.20	9.71	8.96								22.95	3.51	
Seiz, Ray	1.43	1.01	7.68	1.09	2.89	1.18	8.71	9.50	9.11								24.39	3.77	
Shoda, Ron	0.96	0.99	7.61	0.66	2.32	1.00	7.15	9.90	8.53								22.07	3.42	
Szynal, Stepher	0.75	0.88	8.82	0.75	2.07	1.10	7.98	9.80	8.89								23.26	3.62	
Tuchsen, Richarc	1.56	1.33	2.18	2.16	2.94	1.50	7.75	9.60	8.68								20.35	2.87	
MAXIMUM	1.56	1.33	8.82	2.16	2.94	2.00	9.17	9.91	9.54								24.39	3.77	
MINIMUM	0.57	0.66	2.18	0.47	1.98	0.81	7.15	9.50	8.53								20.35	2.87	
RANGE (MAX-MIN)	0.99	0.67	6.64	1.69	0.96	1.19	2.02	0.41	1.01								4.04	0.90	
MEAN	0.92	0.89	7.53	0.82	2.31	1.09	8.01	9.82	8.91								22.48	3.46	
STD	0.23	0.16	1.40	0.38	0.30	0.27	0.52	0.12	0.26								0.84	0.18	



PART ID = B6 - Sequence III Pistol

YI VALUES

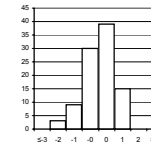
	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust	Average Skirt								UWPD	WPD	MEAN	STD	
Caproni, David	-0.41	0.38	0.36	-0.06	-0.36	-0.37	-0.84	-0.16	-0.87								0.00	0.18	-0.20	0.42	
Lopez, Frank	-0.36	1.06	-0.01	0.12	-0.92	-0.34	-1.65	0.67	-1.48								-0.76	-0.64	-0.39	0.83	
Cales, Jonathor	-1.54	-1.13	0.22	-0.40	-1.09	-0.37	0.71	0.67	0.86								-0.69	-0.47	-0.29	0.81	
Barrera, Tony	-0.32	-0.13	0.26	-0.88	-0.62	0.00	-1.17	-0.25	-1.22								-0.68	-0.41	-0.49	0.47	
Foecking, Brian	-0.58	0.13	0.28	-0.77	-0.52	0.03	-0.15	0.67	0.00								-0.19	-0.09	-0.11	0.41	
Garcia, Orlando	0.08	-0.06	0.00	-0.06	1.34	-0.93	0.19	0.25	0.25								0.23	0.55	0.17	0.54	
Hills, Barry	-0.41	-1.31	0.62	-0.93	-0.66	-0.34	2.22	0.67	2.36								0.64	0.49	0.31	1.19	
Adams, Pat	-0.19	-1.38	0.07	-0.69	0.04	-1.04	-0.40	-1.00	-0.63								-1.02	-0.48	-0.61	0.47	
Avis, Steve	0.08	-1.44	0.41	-0.17	0.24	0.03	-0.11	0.67	0.04								0.45	0.59	0.07	0.57	
Castillo, George	0.03	0.31	0.27	0.91	-0.79	-0.15	0.65	0.76	0.82								0.85	0.44	0.37	0.52	
Kobrinetz, Jack	-0.10	-0.19	0.23	-0.09	-0.66	-0.52	0.94	0.67	1.09								0.21	0.05	0.15	0.56	
May, Marianne	0.16	-0.25	0.20	0.02	0.01	-0.56	0.44	0.59	0.57								0.33	0.31	0.17	0.35	
Radonich, Pete	-0.49	0.06	0.37	-0.40	-0.59	-0.34	-0.34	0.67	-0.19								-0.07	0.05	-0.12	0.38	
Ramirez, Manny	-0.36	-0.13	-0.50	-0.19	1.30	3.36	0.37	-0.91	0.15								0.55	0.31	0.36	1.16	
Seiz, Ray	2.22	0.75	0.10	0.70	1.93	0.33	1.34	-2.67	0.72								2.25	1.73	0.86	1.39	
Shoda, Ron	0.16	0.63	0.05	-0.43	0.04	-0.34	-1.65	0.67	-1.48								-0.50	-0.23	-0.28	0.74	
Szynal, Stepher	-0.76	-0.06	0.92	-0.19	-0.79	0.03	-0.06	-0.16	-0.09								0.92	0.91	0.06	0.61	
Tuchsen, Richarc	2.79	2.75	-3.84	3.51	2.10	1.51	-0.50	-1.83	-0.91								-2.53	-3.29	-0.02	2.66	
YI MAXIMUM	2.79	2.75	-3.84	3.51	2.10	3.36	2.22	-2.67	2.36								-2.53	-3.29	0.86	2.66	
YI MINIMUM	-0.10	-0.06	0.00	-0.06	-0.36	0.00	-0.06	-0.16	-0.09								0.00	-0.09	-0.02	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	0.92	0.89	7.53	0.82	2.31	1.09	8.01	9.82	8.91								22.48	3.46			
Ratings STD	0.23	0.16	1.40	0.38	0.30	0.27	0.52	0.12	0.26								0.84	0.18			

Light Duty Rating Workshop

PART ID = Calibration - Sequence V Pistons

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4																
Caproni, David	9.25	9.46	9.06	9.09																
Tschirhart, Garland	8.34	9.40	8.64	8.74																
Adams, Pat	8.35	8.45	8.40	8.10																
Cales, Jonathon	8.68	8.98	8.76	8.51																
Garcia, Orlando	8.39	9.08	8.35	8.44																
Foecking, Brian	8.20	8.90	8.40	8.30																
Kirkpatrick, John	9.10	9.40	9.30	8.90																
Pansza, Mike	7.74	8.57	8.32	8.12																
Lopez, Frank	7.89	8.30	7.97	7.54																
Barrera, Tony	7.82	8.33	8.22	8.06																
Sanchez, Art	8.27	9.07	8.45	7.81																
Radonich, Pete	8.56	8.98	7.86	7.98																
May, Marianne	8.63	9.10	8.49	8.49																
Szynal, Steve	8.00	8.40	8.00	8.50																
Rodriguez, Jesse	8.44	8.96	7.59	7.87																
Seiz, Ray	9.16	9.33	9.06	9.24																
Lowsky, John	7.83	8.43	7.93	7.73																
Shoda, Ron	8.61	8.93	8.44	7.73																
Viera, Ralph	8.51	9.19	8.40	8.37																
Castillo, George	8.21	8.20	7.69	7.82																
Kobrinetz, Jack	8.77	8.94	8.41	8.46																
Lam, Eddie	6.80	7.69	6.48	7.01																
Ramirez, Manny	8.19	8.43	7.85	7.35																
Tuchsen, Richard	7.86	9.50	7.04	7.06																
MAXIMUM	9.25	9.50	9.30	9.24																
MINIMUM	6.80	7.69	6.48	7.01																
RANGE (MAX-MIN)	2.45	1.81	2.82	2.23																
MEAN	8.32	8.83	8.21	8.13																
STD	0.53	0.47	0.62	0.58																



yi within 1 72%
 yi within 2 97%
 yi within 3 100%

PART ID = Calibration - Sequence V Pistons

YI VALUES

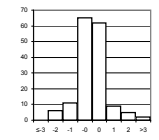
	Piston 1	Piston 2	Piston 3	Piston 4																	MEAN	STD	
Caproni, David	1.76	1.33	1.36	1.64																	1.52	0.21	
Tschirhart, Garland	0.04	1.20	0.69	1.04																	0.74	0.51	
Adams, Pat	0.06	-0.82	0.30	-0.06																	-0.13	0.48	
Cales, Jonathon	0.68	0.31	0.88	0.65																	0.63	0.24	
Garcia, Orlando	0.14	0.52	0.22	0.53																	0.35	0.20	
Foecking, Brian	-0.22	0.14	0.30	0.28																	0.13	0.24	
Kirkpatrick, John	1.47	1.20	1.74	1.32																	1.43	0.24	
Pansza, Mike	-1.09	-0.56	0.17	-0.02																	-0.37	0.57	
Lopez, Frank	-0.80	-1.13	-0.39	-1.02																	-0.84	0.33	
Barrera, Tony	-0.94	-1.07	0.01	-0.13																	-0.53	0.55	
Sanchez, Art	-0.09	0.50	0.38	-0.56																	0.06	0.48	
Radonich, Pete	0.46	0.31	-0.57	-0.26																	-0.02	0.48	
May, Marianne	0.59	0.56	0.44	0.61																	0.55	0.07	
Szynal, Steve	-0.60	-0.92	-0.34	0.63																	-0.31	0.67	
Rodriguez, Jesse	0.23	0.27	-1.00	-0.45																	-0.24	0.61	
Seiz, Ray	1.59	1.05	1.36	1.90																	1.47	0.36	
Lowsky, John	-0.92	-0.86	-0.45	-0.69																	-0.73	0.21	
Shoda, Ron	0.55	0.20	0.36	-0.69																	0.11	0.55	
Viera, Ralph	0.36	0.76	0.30	0.41																	0.46	0.20	
Castillo, George	-0.20	-1.35	-0.84	-0.54																	-0.73	0.49	
Kobrinetz, Jack	0.85	0.22	0.32	0.56																	0.49	0.28	
Lam, Eddie	-2.86	-2.43	-2.78	-1.93																	-2.50	0.42	
Ramirez, Manny	-0.24	-0.86	-0.58	-1.35																	-0.76	0.47	
Tuchsen, Richard	-0.86	1.41	-1.88	-1.85																	-0.79	1.55	
Yi MAXIMUM	-2.86	-2.43	-2.78	-1.93																	-2.50	1.55	
Yi MINIMUM	0.04	-0.56	0.01	-0.02																	-0.02	0.07	
Yi MEAN	0.00	0.00	0.00	0.00																			
Yi STD	1.00	1.00	1.00	1.00																			
Ratings MEAN	8.32	8.83	8.21	8.13																			
Ratings STD	0.53	0.47	0.62	0.58																			

Light Duty Rating Workshop

PART ID = E1-8 - Sequence V Pistons

RATED VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8										
Tschirhart, Garianc	9.60	9.40	9.05	8.90	8.60	8.30	7.20	7.00										
Adams, Pat	9.45	9.15	8.60	8.90	8.70	8.34	7.40	6.80										
Cales, Jonathor	9.53	9.08	8.94	8.43	8.26	8.22	7.23	7.05										
Kirkpatrick, Johr	9.70	9.70	9.60	9.60	9.50	9.60	9.30	8.90										
Foecking, Brian	9.50	9.19	8.88	8.53	8.06	7.77	6.91	6.76										
Caproni, David	9.20	9.00	8.56	8.32	7.91	7.48	7.15	6.57										
Pansza, Mike	9.32	8.94	8.48	7.92	7.12	6.58	6.24	6.00										
Lopez, Frank	9.06	8.51	8.40	8.11	7.77	7.50	6.80	5.95										
Garcia, Orlando	9.06	8.80	8.67	8.45	8.30	8.26	7.98	7.87										
Sanchez, Art	9.50	9.24	9.02	8.41	8.45	8.21	7.65	6.96										
Barrera, Tony	9.41	8.92	8.53	8.39	8.06	8.04	7.32	6.69										
Radonich, Pete	9.50	9.18	8.85	8.54	7.97	7.74	7.08	6.79										
Castillo, George	9.60	9.06	8.55	8.35	7.79	7.93	6.70	6.59										
Kobrinetz, Jack	9.42	9.20	9.03	8.74	8.40	8.04	7.32	7.40										
May, Marianne	9.51	9.12	8.67	8.70	8.27	8.05	7.57	7.01										
Shoda, Ron	9.51	9.07	8.94	8.72	8.16	7.76	7.37	7.19										
Viera, Ralph	9.25	8.44	8.75	8.62	7.97	7.64	7.79	7.11										
Lowsky, John	9.35	9.18	8.90	8.48	8.48	8.30	7.95	7.73										
Rodriguez, Jesse	9.52	9.43	9.10	8.75	8.20	8.16	7.25	7.19										
Seiz, Ray	9.26	9.15	8.50	8.43	8.09	8.10	7.54	7.78										
MAXIMUM	9.70	9.70	9.60	9.60	9.50	9.60	9.30	8.90										
MINIMUM	9.06	8.44	8.40	7.92	7.12	6.58	6.24	5.95										
RANGE (MAX-MIN)	0.64	1.26	1.20	1.68	2.38	3.02	3.06	2.95										
MEAN	9.41	9.09	8.80	8.56	8.20	8.00	7.39	7.07										
STD	0.17	0.29	0.29	0.34	0.46	0.56	0.62	0.66										



yi within 1 79%
 yi within 2 92%
 yi within 3 99%

PART ID = E1-8 - Sequence V Pistons

YI VALUES

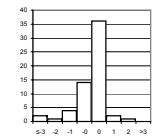
	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8											MEAN	STD
Tschirhart, Garianc	1.08	1.09	0.87	0.98	0.86	0.54	-0.30	-0.10											0.62	0.54
Adams, Pat	0.22	0.22	-0.70	0.98	1.07	0.61	0.02	-0.40											0.25	0.62
Cales, Jonathor	0.67	-0.03	0.48	-0.39	0.12	0.39	-0.26	-0.03											0.12	0.37
Kirkpatrick, Johr	1.65	2.14	2.78	3.01	2.81	2.87	3.10	2.76											2.64	0.49
Foecking, Brian	0.50	0.36	0.27	-0.10	-0.31	-0.41	-0.77	-0.46											-0.12	0.45
Caproni, David	-1.22	-0.31	-0.84	-0.71	-0.63	-0.93	-0.39	-0.75											-0.72	0.29
Pansza, Mike	-0.53	-0.52	-1.12	-1.87	-2.34	-2.55	-1.86	-1.61											-1.55	0.77
Lopez, Frank	-2.02	-2.02	-1.39	-1.32	-0.94	-0.90	-0.95	-1.68											-1.40	0.47
Garcia, Orlando	-2.02	-1.01	-0.46	-0.33	0.21	0.46	0.96	1.21											-0.12	1.07
Sanchez, Art	0.50	0.53	0.76	-0.45	0.53	0.37	0.43	-0.16											0.31	0.41
Barrera, Tony	-0.01	-0.59	-0.94	-0.51	-0.31	0.07	-0.11	-0.57											-0.37	0.34
Radonich, Pete	0.50	0.32	0.17	-0.07	-0.50	-0.47	-0.50	-0.42											-0.12	0.41
Castillo, George	1.08	-0.10	-0.87	-0.62	-0.89	-0.13	-1.12	-0.72											-0.42	0.70
Kobrinetz, Jack	0.04	0.39	0.80	0.51	0.43	0.07	-0.11	0.50											0.33	0.30
May, Marianne	0.56	0.11	-0.46	0.39	0.14	0.09	0.30	-0.09											0.13	0.31
Shoda, Ron	0.56	-0.06	0.48	0.45	-0.09	-0.43	-0.03	0.19											0.13	0.35
Viera, Ralph	-0.93	-2.26	-0.18	0.16	-0.50	-0.65	0.65	0.06											-0.46	0.89
Lowsky, John	-0.36	0.32	0.34	-0.25	0.60	0.54	0.91	1.00											0.39	0.49
Rodriguez, Jesse	0.62	1.19	1.04	0.54	-0.01	0.29	-0.22	0.19											0.45	0.49
Seiz, Ray	-0.87	0.22	-1.05	-0.39	-0.24	0.18	0.25	1.07											-0.10	0.68
YI MAXIMUM	-2.02	-2.26	2.78	3.01	2.81	2.87	3.10	2.76											2.64	1.07
YI MINIMUM	-0.01	-0.03	-0.18	-0.07	-0.01	0.07	-0.03	-0.03											-0.10	0.29
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	9.41	9.09	8.80	8.56	8.20	8.00	7.39	7.07												
Ratings STD	0.17	0.29	0.29	0.34	0.46	0.56	0.62	0.66												

Light Duty Rating Workshop

PART ID = Sequence V - Varnish

RATED VALUES

	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R																
Tschirhart, Garlanc	8.42	9.70	9.70																
Adams, Pat	8.44	9.80	9.60																
Cales, Jonathor	8.32	9.45	9.80																
Kirkpatrick, Johr	9.10	9.30	9.20																
Foecking, Brian	8.19	9.75	9.75																
Pansza, Mike	8.79	9.54	9.66																
Lopez, Frank	7.72	9.70	9.80																
Caproni, David	8.06	9.65	9.65																
Garcia, Orlando	8.27	9.68	9.62																
Sanchez, Art	8.41	9.63	9.63																
Barrera, Tony	8.31	9.60	9.40																
Radonich, Pete	8.16	9.65	9.71																
Castillo, George	7.91	9.57	9.65																
Kobrinetz, Jack	8.32	9.60	9.70																
May, Marianne	8.38	9.68	9.68																
Shoda, Ron	8.23	9.80	9.60																
Viera, Ralph	8.38	9.45	9.34																
Rodriguez, Jesse	8.35	9.80	9.80																
Lowsky, John	8.38	8.75	8.79																
Seiz, Ray	8.71	9.50	9.60																
MAXIMUM	9.10	9.80	9.80																
MINIMUM	7.72	8.75	8.79																
RANGE (MAX-MIN)	1.38	1.05	1.01																
MEAN	8.34	9.58	9.58																
STD	0.30	0.23	0.24																



yi within 1 83%
 yi within 2 93%
 yi within 3 97%

PART ID = Sequence V - Varnish

YI VALUES

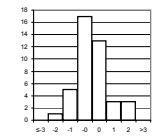
	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R																	MEAN	STD
Tschirhart, Garlanc	0.26	0.51	0.48																	0.42	0.14
Adams, Pat	0.33	0.94	0.07																	0.44	0.45
Cales, Jonathor	-0.08	-0.55	0.89																	0.09	0.74
Kirkpatrick, Johr	2.56	-1.19	-1.59																	-0.07	2.29
Foecking, Brian	-0.51	0.72	0.69																	0.30	0.70
Pansza, Mike	1.51	-0.17	0.31																	0.55	0.87
Lopez, Frank	-2.10	0.51	0.89																	-0.23	1.63
Caproni, David	-0.95	0.30	0.27																	-0.13	0.72
Garcia, Orlando	-0.24	0.43	0.15																	0.11	0.34
Sanchez, Art	0.23	0.21	0.19																	0.21	0.02
Barrera, Tony	-0.11	0.09	-0.76																	-0.26	0.44
Radonich, Pete	-0.62	0.30	0.52																	0.07	0.60
Castillo, George	-1.46	-0.04	0.27																	-0.41	0.92
Kobrinetz, Jack	-0.08	0.09	0.48																	0.16	0.29
May, Marianne	0.13	0.43	0.40																	0.32	0.16
Shoda, Ron	-0.38	0.94	0.07																	0.21	0.67
Viera, Ralph	0.13	-0.55	-1.01																	-0.48	0.57
Rodriguez, Jesse	0.01	0.94	0.89																	0.61	0.52
Lowsky, John	0.13	-3.54	-3.29																	-2.23	2.05
Seiz, Ray	1.24	-0.34	0.07																	0.32	0.82
Yi MAXIMUM	2.56	-3.54	-3.29																	-2.23	2.29
Yi MINIMUM	-0.08	-0.04	0.07																	-0.07	0.02
Yi MEAN	0.00	0.00	0.00																		
Yi STD	1.00	1.00	1.00																		
Ratings MEAN	8.34	9.58	9.58																		
Ratings STD	0.30	0.23	0.24																		

Light Duty Rating Workshop

PART ID = Calibration - Seq V Sludge

RATED VALUES

	Rocker Cover Baffle L	Rocker Cover Baffle R														
Caproni, David	7.44	9.35														
Tschirhart, Garlanc	7.20	9.45														
Adams, Pat	7.33	9.31														
Cales, Jonathor	7.82	9.56														
Garcia, Orlando	7.50	9.33														
Foecking, Brian	7.67	9.30														
Kirkpatrick, Johr	7.54	9.70														
Pansza, Mike	7.42	9.32														
Lopez, Frank	8.02	9.50														
Barrera, Tony	7.47	9.50														
Sanchez, Art	7.57	9.30														
Radonich, Pete	7.53	9.43														
Kobrinetz, Jack	7.85	9.16														
May, Marianne	7.55	9.28														
Rodriguez, Jesse	7.45	9.22														
Seiz, Ray	7.15	9.32														
Lowsky, John	7.68	9.24														
Shoda, Ron	7.44	9.40														
Viera, Ralph	7.44	9.71														
Castillo, George	7.46	9.47														
Lam, Eddie	7.01	9.45														
MAXIMUM	8.02	9.71														
MINIMUM	7.01	9.16														
RANGE (MAX-MIN)	1.01	0.55														
MEAN	7.50	9.40														
STD	0.23	0.14														



yi within 1 71%
 yi within 2 90%
 yi within 3 100%

PART ID = Calibration - Seq V Sludge

YI VALUES

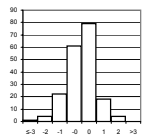
	Rocker Cover Baffle L	Rocker Cover Baffle R																MEAN	STD	
Caproni, David	-0.27	-0.31																-0.29	0.03	
Tschirhart, Garlanc	-1.31	0.38																-0.46	1.19	
Adams, Pat	-0.74	-0.59																-0.67	0.11	
Cales, Jonathor	1.38	1.14																1.26	0.17	
Garcia, Orlando	-0.01	-0.45																-0.23	0.31	
Foecking, Brian	0.73	-0.66																0.03	0.98	
Kirkpatrick, Johr	0.16	2.10																1.13	1.37	
Pansza, Mike	-0.35	-0.52																-0.44	0.12	
Lopez, Frank	2.24	0.72																1.48	1.07	
Barrera, Tony	-0.14	0.72																0.29	0.61	
Sanchez, Art	0.29	-0.66																-0.18	0.67	
Radonich, Pete	0.12	0.24																0.18	0.08	
Kobrinetz, Jack	1.50	-1.62																-0.06	2.21	
May, Marianne	0.21	-0.79																-0.29	0.71	
Rodriguez, Jesse	-0.22	-1.21																-0.72	0.70	
Seiz, Ray	-1.52	-0.52																-1.02	0.71	
Lowsky, John	0.77	-1.07																-0.15	1.30	
Shoda, Ron	-0.27	0.03																-0.12	0.21	
Viera, Ralph	-0.27	2.17																0.95	1.72	
Castillo, George	-0.18	0.52																0.17	0.49	
Lam, Eddie	-2.13	0.38																-0.87	1.77	
YI MAXIMUM	2.24	2.17																1.48	2.21	
YI MINIMUM	-0.01	-0.31																-0.06	0.03	
YI MEAN	0.00	0.00																		
YI STD	1.00	1.00																		
Ratings MEAN	7.50	9.40																		
Ratings STD	0.23	0.14																		

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									
Tschirhart, Garlanc	8.20	9.70	7.70	9.67	7.90	6.70	5.70	6.70	8.80									
Adams, Pat	8.92	9.54	7.50	9.47	8.10	6.61	5.70	6.93	8.42									
Cales, Jonathor	8.77	9.57	7.58	9.50	8.22	6.63	5.73	7.21	8.65									
Kirkpatrick, John	8.57	9.63	8.46	9.50	8.45	6.25	5.49	6.06	7.39									
Foecking, Brian	9.21	9.76	7.90	9.33	8.20	6.70	5.78	7.20	8.47									
Pansza, Mike	8.46	9.32	7.28	9.46	7.88	6.24	5.68	6.52	8.74									
Lopez, Frank	8.40	9.62	7.05	9.53	7.28	6.45	5.74	6.94	8.62									
Caproni, David	8.64	9.31	7.61	9.45	8.22	6.78	5.79	7.26	8.22									
Garcia, Orlando	8.91	9.46	7.87	9.42	8.09	6.72	5.83	6.93	8.28									
Sanchez, Art	8.46	9.47	7.43	9.45	7.65	6.56	5.49	7.18	8.60									
Barrera, Tony	8.90	9.51	7.49	9.50	8.00	6.68	5.70	7.22	8.51									
Radonich, Pete	8.94	9.56	7.55	9.45	7.90	6.63	5.80	7.10	8.35									
Castillo, George	8.64	9.48	7.68	9.50	8.14	6.58	5.79	7.00	8.64									
Kobrinetz, Jack	8.63	9.51	7.85	9.51	8.43	6.78	5.82	7.03	8.46									
May, Marianne	8.78	9.49	7.38	9.43	8.62	6.77	5.80	7.09	8.52									
Shoda, Ron	8.85	9.40	7.20	9.65	8.25	6.45	5.45	6.80	8.20									
Viera, Ralph	8.89	9.74	7.01	9.75	8.30	6.51	5.62	7.75	8.72									
Rodriguez, Jesse	8.62	9.64	7.47	9.55	7.90	6.67	5.73	8.02	8.70									
Lowsky, John	8.82	9.67	6.85	9.36	7.15	6.25	5.67	6.62	8.02									
Seiz, Ray	8.83	9.67	7.85	9.70	8.64	6.66	5.66	8.48	8.78									
Avis, Steve	8.37	9.64	7.27	9.45	7.63	6.65	5.70	6.80	8.60									
MAXIMUM	9.21	9.76	8.46	9.75	8.64	6.78	5.83	8.48	8.80									
MINIMUM	8.20	9.31	6.85	9.33	7.15	6.24	5.45	6.06	7.39									
RANGE (MAX-MIN)	1.01	0.45	1.61	0.42	1.49	0.54	0.38	2.42	1.41									
MEAN	8.71	9.56	7.52	9.51	8.05	6.58	5.70	7.09	8.46									
STD	0.24	0.13	0.36	0.11	0.39	0.17	0.11	0.52	0.32									



yi within 1 74%
 yi within 2 95%
 yi within 3 99%

PART ID = Sequence V - Sludge

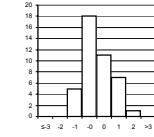
YI VALUES

	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
Tschirhart, Garlanc	-2.11	1.14	0.49	1.53	-0.37	0.68	0.01	-0.75	1.05									0.19	1.13
Adams, Pat	0.90	-0.13	-0.06	-0.34	0.14	0.15	0.01	-0.31	-0.13									0.03	0.37
Cales, Jonathor	0.27	0.11	0.16	-0.06	0.45	0.27	0.29	0.24	0.59									0.26	0.19
Kirkpatrick, John	-0.56	0.58	2.59	-0.06	1.04	-1.98	-1.91	-1.99	-3.33									-0.62	1.86
Foecking, Brian	2.10	1.61	1.04	-1.65	0.40	0.68	0.75	0.22	0.03									0.58	1.06
Pansza, Mike	-1.02	-1.88	-0.67	-0.43	-0.43	-2.04	-0.17	-1.10	0.87									-0.76	0.89
Lopez, Frank	-1.27	0.50	-1.31	0.22	-1.97	-0.79	0.38	-0.29	0.49									-0.45	0.92
Caproni, David	-0.27	-1.96	0.24	-0.53	0.45	1.16	0.84	0.33	-0.75									-0.05	0.94
Garcia, Orlando	0.85	-0.77	0.96	-0.81	0.12	0.80	1.21	-0.31	-0.56									0.17	0.80
Sanchez, Art	-1.02	-0.69	-0.26	-0.53	-1.02	-0.14	-1.91	0.18	0.43									-0.55	0.71
Barrera, Tony	0.81	-0.37	-0.09	-0.06	-0.12	0.57	0.01	0.26	0.15									0.13	0.37
Radonich, Pete	0.98	0.03	0.07	-0.53	-0.37	0.27	0.93	0.02	-0.35									0.12	0.54
Castillo, George	-0.27	-0.61	0.43	-0.06	0.24	-0.03	0.84	-0.17	0.55									0.10	0.45
Kobrinetz, Jack	-0.31	-0.37	0.90	0.04	0.99	1.16	1.11	-0.11	0.00									0.38	0.65
May, Marianne	0.31	-0.53	-0.39	-0.71	1.48	1.10	0.93	0.00	0.18									0.26	0.77
Shoda, Ron	0.60	-1.24	-0.89	1.34	0.53	-0.79	-2.28	-0.56	-0.81									-0.46	1.10
Viera, Ralph	0.77	1.45	-1.42	2.28	0.66	-0.44	-0.72	1.28	0.80									0.52	1.17
Rodriguez, Jesse	-0.36	0.66	-0.15	0.41	-0.37	0.51	0.29	1.81	0.74									0.39	0.68
Lowsky, John	0.48	0.90	-1.86	-1.37	-2.31	-1.98	-0.26	-0.91	-1.37									-0.96	1.12
Seiz, Ray	0.52	0.90	0.90	1.81	1.53	0.45	-0.35	2.70	0.99									1.05	0.88
Avis, Steve	-1.40	0.66	-0.70	-0.53	-1.07	0.39	0.01	-0.56	0.43									-0.31	0.72
Yi MAXIMUM	-2.11	-1.96	2.59	2.28	-2.31	-2.04	-2.28	2.70	-3.33									1.05	1.86
Yi MINIMUM	-0.27	-0.13	-0.06	-0.06	-0.12	-0.03	0.01	-0.11	0.00									0.03	0.19
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	8.71	9.56	7.52	9.51	8.05	6.58	5.70	7.09	8.46										
Ratings STD	0.24	0.13	0.36	0.11	0.39	0.17	0.11	0.52	0.32										

PART ID = Sequence V - Oil Screen Cloggin

RATED VALUES

	% Sludge	% Debris												
Tschirhart, Garland	25.00	8.00												
Adams, Pat	28.00	6.00												
Cales, Jonathor	65.00	5.00												
Kirkpatrick, John	65.00	0.00												
Foecking, Brian	58.00	1.00												
Pansza, Mike	66.00	0.00												
Lopez, Frank	10.00	0.00												
Caproni, David	60.00	0.00												
Garcia, Orlando	20.00	0.00												
Sanchez, Art	25.00	2.00												
Barrera, Tony	30.00	2.00												
Radonich, Pete	47.00	1.00												
Castillo, George	55.00	0.00												
Kobrinetz, Jack	43.00	3.00												
May, Marianne	50.00	2.00												
Shoda, Ron	52.00	1.00												
Viera, Ralph	85.00	5.00												
Rodriguez, Jesse	75.00	0.00												
Lowsky, John	80.00	0.00												
Seiz, Ray	85.00	0.00												
Avis, Steve	70.00	0.00												
MAXIMUM	85.00	8.00												
MINIMUM	10.00	0.00												
RANGE (MAX-MIN)	75.00	8.00												
MEAN	52.10	1.71												
STD	22.22	2.37												



yi within 1 = 69%
yi within 2 = 98%
yi within 3 = 100%

PART ID = Sequence V - Oil Screen Cloggin

YI VALUES

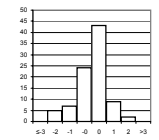
	% Sludge	% Debris													MEAN	STD
Tschirhart, Garland	-1.22	2.65													0.72	2.74
Adams, Pat	-1.08	1.81													0.36	2.05
Cales, Jonathor	0.58	1.39													0.98	0.57
Kirkpatrick, John	0.58	-0.72													-0.07	0.92
Foecking, Brian	0.27	-0.30													-0.02	0.40
Pansza, Mike	0.63	-0.72													-0.05	0.95
Lopez, Frank	-1.89	-0.72													-1.31	0.83
Caproni, David	0.36	-0.72													-0.18	0.76
Garcia, Orlando	-1.44	-0.72													-1.08	0.51
Sanchez, Art	-1.22	0.12													-0.55	0.95
Barrera, Tony	-0.99	0.12													-0.44	0.79
Radonich, Pete	-0.23	-0.30													-0.27	0.05
Castillo, George	0.13	-0.72													-0.30	0.60
Kobrinetz, Jack	-0.41	0.54													0.07	0.67
May, Marianne	-0.09	0.12													0.01	0.15
Shoda, Ron	0.00	-0.30													-0.15	0.21
Viera, Ralph	1.48	1.39													1.43	0.07
Rodriguez, Jesse	1.03	-0.72													0.15	1.24
Lowsky, John	1.26	-0.72													0.27	1.40
Seiz, Ray	1.48	-0.72													0.38	1.56
Avis, Steve	0.81	-0.72													0.04	1.08
YI MAXIMUM	-1.89	2.65													1.43	2.74
YI MINIMUM	0.00	-0.30													-0.02	0.05
YI MEAN	0.00	0.00														
YI STD	1.00	1.00														
Ratings MEAN	52.10	1.71														
Ratings STD	22.22	2.37														

Light Duty Rating Workshop

PART ID = Calibration - Induction/Combustio

RATED VALUES

	Valve C1	Valve C2	Piston Top C1	Piston Top C2																
Foecking, Brian	9.40	9.00	8.00	7.90																
Tschirhart, Garianc	9.40	9.00	8.50	8.35																
Adams, Pat	8.20	9.20	8.06	8.01																
Sanchez, Art	9.10	8.80	7.13	7.36																
Kirkpatrick, Johr	8.20	9.00	7.58	7.81																
Pansza, Mike	9.30	8.90	8.83	8.25																
Lopez, Frank	8.10	8.50	8.00	8.15																
Cales, Jonathor	9.10	8.90	8.59	8.73																
Barrera, Tony	9.10	9.00	7.48	7.74																
Garcia, Orlando	8.40	9.10	8.06	7.96																
Avis, Steve	9.30	9.50																		
Castillo, George	9.20	9.00	8.07	8.05																
Kobrinetz, Jack	9.11	8.77	7.75	7.76																
Lam, Eddie	9.40	9.15	6.05	8.00																
Lowsky, John	9.10	9.20	7.44	7.35																
May, Marianne	9.40	9.10																		
Radonich, Pete	9.10	9.00	8.10	8.30																
Ramirez, Manny	9.75	9.45	6.50	7.30																
Rodriguez, Jesse	9.00	9.10	7.48	8.11																
Seiz, Ray	9.40	9.10	7.97	8.56																
Shoda, Ron	9.50	9.30	7.90	7.60																
Szynal, Stepher	9.10	9.20	7.80	7.60																
Tuchsen, Richarc	9.10	9.30	9.17	9.05																
Viera, Ralph	9.20	9.00																		
MAXIMUM	9.75	9.50	9.17	9.05																
MINIMUM	8.10	8.50	6.05	7.30																
RANGE (MAX-MIN)	1.65	1.00	3.12	1.75																
MEAN	9.08	9.07	7.83	8.00																
STD	0.43	0.22	0.71	0.45																



yi within 1 74%
 yi within 2 92%
 yi within 3 100%

PART ID = Calibration - Induction/Combustio

Yi VALUES

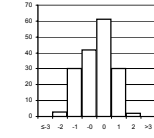
	Valve C1	Valve C2	Piston Top C1	Piston Top C2																	MEAN	STD	
Foecking, Brian	0.74	-0.30	0.24	-0.22																	0.12	0.48	
Tschirhart, Garianc	0.74	-0.30	0.94	0.78																	0.54	0.57	
Adams, Pat	-2.05	0.62	0.32	0.03																	-0.27	1.21	
Sanchez, Art	0.04	-1.23	-0.99	-1.41																	-0.90	0.65	
Kirkpatrick, Johr	-2.05	-0.30	-0.35	-0.41																	-0.78	0.85	
Pansza, Mike	0.51	-0.77	1.41	0.56																	0.43	0.90	
Lopez, Frank	-2.29	-2.62	0.24	0.34																	-1.08	1.59	
Cales, Jonathor	0.04	-0.77	1.07	1.62																	0.49	1.06	
Barrera, Tony	0.04	-0.30	-0.50	-0.57																	-0.33	0.27	
Garcia, Orlando	-1.59	0.16	0.32	-0.08																	-0.30	0.88	
Avis, Steve	0.51	2.01																			1.26	1.06	
Castillo, George	0.28	-0.30	0.34	0.12																	0.11	0.29	
Kobrinetz, Jack	0.07	-1.37	-0.11	-0.53																	-0.49	0.64	
Lam, Eddie	0.74	0.39	-2.51	0.01																	-0.34	1.48	
Lowsky, John	0.04	0.62	-0.55	-1.43																	-0.33	0.88	
May, Marianne	0.74	0.16																			0.45	0.41	
Radonich, Pete	0.04	-0.30	0.38	0.67																	0.20	0.42	
Ramirez, Manny	1.56	1.78	-1.88	-1.54																	-0.02	1.96	
Rodriguez, Jesse	-0.19	0.16	-0.50	0.25																	-0.07	0.34	
Seiz, Ray	0.74	0.16	0.20	1.25																	0.59	0.51	
Shoda, Ron	0.97	1.08	0.10	-0.88																	0.32	0.91	
Szynal, Stepher	0.04	0.62	-0.04	-0.88																	-0.06	0.62	
Tuchsen, Richarc	0.04	1.08	1.89	2.33																	1.34	1.01	
Viera, Ralph	0.28	-0.30																			-0.01	0.41	
Yi MAXIMUM	-2.29	-2.62	-2.51	2.33																	1.34	1.96	
Yi MINIMUM	0.04	-0.30	-0.04	-0.08																	-0.01	0.27	
Yi MEAN	0.00	0.00	0.00	0.00																			
Yi STD	1.00	1.00	1.00	1.00																			
Ratings MEAN	9.08	9.07	7.83	8.00																			
Ratings STD	0.43	0.22	0.71	0.45																			

Light Duty Rating Workshop

PART ID = Valve Set F

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									
Pansza, Mike	9.20	9.30	9.10	8.70	9.00	9.20	8.00	9.10									
Garcia, Orlando	9.20	9.00	9.20	9.10	9.30	9.00	7.80	9.30									
Adams, Pat	8.20	8.20	9.20	9.00	9.00	8.20	8.20	9.30									
Tschirhart, Garland	9.20	8.30	9.00	8.60	9.00	8.30	8.00	9.10									
Lopez, Frank	8.00	8.10	8.60	8.40	8.60	8.00	7.90	9.00									
Kirkpatrick, John	8.20	8.30	8.80	7.90	8.20	8.30	7.80	8.90									
Sanchez, Art	9.40	9.20	9.10	8.30	9.10	9.30	8.40	9.20									
Foecking, Brian	9.40	9.20	9.00	7.70	8.50	9.20	8.20	8.90									
Barrera, Tony	9.00	8.90	8.80	8.60	8.70	8.80	8.60	8.80									
Castillo, George	9.20	9.50	8.90	8.00	8.50	9.50	8.00	8.80									
Kobrinetz, Jack	9.60	9.00	8.80	8.20	8.60	9.00	8.70	8.70									
Lam, Eddie	9.80	9.80	9.20	9.00	9.20	9.85	9.20	9.35									
Lowsky, John	9.70	9.10	9.40	8.50	9.25	9.15	8.15	9.50									
Radonich, Pete	9.40	9.30	8.90	7.90	8.70	9.20	8.00	9.00									
Rodriguez, Jesse	9.20	8.50	8.60	8.20	8.40	8.70	8.30	8.70									
Seiz, Ray	9.60	9.50	9.20	9.10	9.30	9.50	9.30	9.20									
Shoda, Ron	9.40	9.50	9.30	8.90	9.00	9.50	9.40	9.30									
Terrado, Teresa	8.00	8.20	9.20	9.00	9.30	8.00	8.30	9.10									
Tuchsen, Richard	9.60	8.80	9.10	9.00	9.30	8.90	8.50	9.20									
Viera, Ralph	9.40	8.80	9.20	9.00	9.00	8.90	8.60	9.10									
Avis, Steve	9.42	8.50	9.28	8.37	8.84	8.50	8.20	8.93									
MAXIMUM	9.80	9.80	9.40	9.10	9.30	9.85	9.40	9.50									
MINIMUM	8.00	8.10	8.60	7.70	8.20	8.00	7.80	8.70									
RANGE (MAX-MIN)	1.80	1.70	0.80	1.40	1.10	1.85	1.60	0.80									
MEAN	9.15	8.90	9.04	8.55	8.89	8.90	8.36	9.07									
STD	0.56	0.51	0.23	0.45	0.34	0.53	0.47	0.22									



yi within 1 61%
 yi within 2 97%
 yi within 3 100%

PART ID = Valve Set F

Yi VALUES

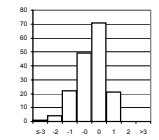
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
Pansza, Mike	0.09	0.78	0.26	0.34	0.31	0.56	-0.77	0.13										0.21	0.46
Garcia, Orlando	0.09	0.19	0.70	1.24	1.20	0.18	-1.19	1.04										0.43	0.81
Adams, Pat	-1.70	-1.39	0.70	1.01	0.31	-1.34	-0.34	1.04										-0.21	1.14
Tschirhart, Garland	0.09	-1.19	-0.19	0.12	0.31	-1.15	-0.77	0.13										-0.33	0.61
Lopez, Frank	-2.06	-1.59	-1.96	-0.33	-0.88	-1.72	-0.98	-0.32										-1.23	0.70
Kirkpatrick, John	-1.70	-1.19	-1.07	-1.44	-2.06	-1.15	-1.19	-0.77										-1.32	0.40
Sanchez, Art	0.45	0.58	0.26	-0.55	0.61	0.75	0.09	0.58										0.35	0.42
Foecking, Brian	0.45	0.58	-0.19	-1.89	-1.17	0.56	-0.34	-0.77										-0.35	0.89
Barrera, Tony	-0.27	-0.01	-1.07	0.12	-0.58	-0.20	0.51	-1.22										-0.34	0.59
Castillo, George	0.09	1.18	-0.63	-1.22	-1.17	1.13	-0.77	-1.22										-0.33	1.01
Kobrinetz, Jack	0.81	0.19	-1.07	-0.77	-0.88	0.18	0.73	-1.67										-0.31	0.91
Lam, Eddie	1.17	1.77	0.70	1.01	0.91	1.80	1.79	1.26										1.30	0.43
Lowsky, John	0.99	0.39	1.58	-0.10	1.06	0.47	-0.45	1.94										0.73	0.81
Radonich, Pete	0.45	0.78	-0.63	-1.44	-0.58	0.56	-0.77	-0.32										-0.24	0.77
Rodriguez, Jesse	0.09	-0.80	-1.96	-0.77	-1.47	-0.39	-0.13	-1.67										-0.89	0.75
Seiz, Ray	0.81	1.18	0.70	1.24	1.20	1.13	2.00	0.58										1.11	0.44
Shoda, Ron	0.45	1.18	1.14	0.79	0.31	1.13	2.22	1.04										1.03	0.58
Terrado, Teresa	-2.06	-1.39	0.70	1.01	1.20	-1.72	-0.13	0.13										-0.28	1.28
Tuchsen, Richard	0.81	-0.21	0.26	1.01	1.20	-0.01	0.30	0.58										0.49	0.50
Viera, Ralph	0.45	-0.21	0.70	1.01	0.31	-0.01	0.51	0.13										0.36	0.39
Avis, Steve	0.49	-0.80	1.05	-0.39	-0.16	-0.77	-0.34	-0.63										-0.19	0.65
Yi MAXIMUM	-2.06	1.77	-1.96	-1.89	-2.06	1.80	2.22	1.94										-1.32	1.28
Yi MINIMUM	0.09	-0.01	-0.19	-0.10	-0.16	-0.01	-0.13	0.13										-0.19	0.39
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	9.15	8.90	9.04	8.55	8.89	8.90	8.36	9.07											
Ratings STD	0.56	0.51	0.23	0.45	0.34	0.53	0.47	0.22											

Light Duty Rating Workshop

PART ID = Valve Set G

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8											
Pansza, Mike	9.40	9.20	9.00	8.90	9.40	9.20	9.60	8.90											
Garcia, Orlando	9.30	9.20	9.20	8.80	9.70	9.00	9.30	9.00											
Adams, Pat	8.30	8.20	9.20	9.10	9.50	8.20	9.00	9.20											
Tschirhart, Garlanc	9.60	8.60	9.10	8.00	9.30	8.30	9.50	8.60											
Lopez, Frank	8.00	8.00	8.60	8.20	9.30	8.00	8.10	8.40											
Kirkpatrick, John	7.90	8.20	8.00	7.40	9.20	8.20	9.10	8.00											
Sanchez, Ari	9.50	9.20	8.50	8.00	9.40	9.10	9.70	8.00											
Foecking, Brian	9.60	9.30	8.40	7.80	9.30	9.30	9.50	8.40											
Castillo, George	9.60	9.50	9.00	7.60	9.40	9.60	9.50	8.00											
Kobrinetz, Jack	9.80	9.10	8.60	7.90	9.60	9.00	9.70	8.50											
Lam, Eddie	9.70	9.90	9.10	8.50	9.40	9.90	9.75	8.80											
Lowsky, John	9.60	9.00	8.90	8.00	9.50	9.00	9.70	8.90											
Radonich, Pete	9.50	9.30	8.40	7.70	9.40	9.30	9.50	8.40											
Rodriguez, Jesse	9.50	8.70	8.80	7.80	9.40	9.10	9.70	8.00											
Seiz, Ray	9.80	9.70	9.30	9.10	9.50	9.70	9.70	9.30											
Shoda, Ron	9.60	9.60	9.20	9.00	9.70	9.60	9.70	9.10											
Terrado, Teresa	8.30	8.50	9.00	9.10	9.60	9.50	9.70	8.00											
Tuchsen, Richarc	9.10	8.70	8.70	7.90	9.10	8.40	9.20	8.10											
Viera, Ralph	9.30	8.80	9.00	8.80	9.30	8.90	9.40	9.00											
Barrera, Tony	9.30	8.90	9.10	8.70	9.50	9.00	9.50	8.80											
Avis, Steve	9.45	8.50	7.70	8.25	9.37	8.80	9.30	8.64											
MAXIMUM	9.80	9.90	9.30	9.10	9.70	9.90	9.75	9.30											
MINIMUM	7.90	8.00	7.70	7.40	9.10	8.00	8.10	8.00											
RANGE (MAX-MIN)	1.90	1.90	1.60	1.70	0.60	1.90	1.65	1.30											
MEAN	9.25	8.96	8.80	8.31	9.42	9.00	9.44	8.57											
STD	0.59	0.52	0.42	0.56	0.15	0.53	0.38	0.44											



yi within 1 71%
 yi within 2 97%
 yi within 3 99%

PART ID = Valve Set G

Yi VALUES

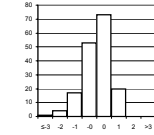
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8												MEAN	STD
Pansza, Mike	0.26	0.47	0.48	1.05	-0.15	0.37	0.44	0.74												0.46	0.35
Garcia, Orlando	0.09	0.47	0.95	0.87	1.83	-0.01	-0.36	0.97												0.60	0.70
Adams, Pat	-1.81	-1.46	0.95	1.41	0.51	-1.51	-1.16	1.43												-0.18	1.38
Tschirhart, Garlanc	0.60	-0.69	0.72	-0.56	-0.81	-1.32	0.17	0.06												-0.23	0.72
Lopez, Frank	-2.12	-1.85	-0.48	-0.20	-0.81	-1.88	-3.56	-0.40												-1.41	1.15
Kirkpatrick, John	-2.29	-1.46	-1.91	-1.63	-1.47	-1.51	-0.89	-1.31												-1.56	0.41
Sanchez, Ari	0.43	0.47	-0.72	-0.56	-0.15	0.18	0.70	-1.31												-0.12	0.69
Foecking, Brian	0.60	0.66	-0.95	-0.92	-0.81	0.55	0.17	-0.40												-0.14	0.71
Castillo, George	0.60	1.05	0.48	-1.28	-0.15	1.12	0.17	-1.31												0.09	0.95
Kobrinetz, Jack	0.95	0.28	-0.48	-0.74	1.17	-0.01	0.70	-0.17												0.21	0.68
Lam, Eddie	0.77	1.82	0.72	0.34	-0.15	1.68	0.84	0.52												0.82	0.66
Lowsky, John	0.60	0.08	0.24	-0.56	0.51	-0.01	0.70	0.74												0.29	0.44
Radonich, Pete	0.43	0.66	-0.95	-1.10	-0.15	0.55	0.17	-0.40												-0.10	0.67
Rodriguez, Jesse	0.43	-0.50	0.00	-0.92	-0.15	0.18	0.70	-1.31												-0.19	0.68
Seiz, Ray	0.95	1.44	1.19	1.41	0.51	1.30	0.70	1.66												1.15	0.39
Shoda, Ron	0.60	1.24	0.95	1.23	1.83	1.12	0.70	1.20												1.11	0.38
Terrado, Teresa	-1.61	-0.88	0.48	1.41	1.17	0.93	0.70	-1.31												0.11	1.19
Tuchsen, Richarc	-0.25	-0.50	-0.24	-0.74	-2.12	-1.13	-0.63	-1.08												-0.84	0.62
Viera, Ralph	0.09	-0.30	0.48	0.87	-0.81	-0.20	-0.10	0.97												0.13	0.61
Barrera, Tony	0.09	-0.11	0.72	0.70	0.51	-0.01	0.17	0.52												0.32	0.33
Avis, Steve	0.35	-0.88	-2.62	-0.11	-0.35	-0.38	-0.36	0.15												-0.53	0.93
Yi MAXIMUM	-2.29	-1.85	-2.62	-1.63	-2.12	-1.88	-3.56	1.66												-1.56	1.38
Yi MINIMUM	0.09	0.08	-0.24	-0.11	-0.15	-0.01	-0.10	0.06												-0.10	0.33
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	9.25	8.96	8.80	8.31	9.42	9.00	9.44	8.57													
Ratings STD	0.59	0.52	0.42	0.56	0.15	0.53	0.38	0.44													

Light Duty Rating Workshop

PART ID = Valve Set H

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									
Pansza, Mike	9.40	9.10	9.20	8.50	9.50	9.00	8.70	9.20									
Garcia, Orlando	9.40	9.10	9.00	8.60	9.60	9.10	8.40	9.20									
Adams, Pat	9.40	8.10	9.20	9.00	9.60	8.20	9.00	9.30									
Tschirhart, Garland	9.40	8.70	9.00	8.00	9.60	8.00	8.40	9.00									
Lopez, Frank	8.00	8.00	8.70	8.10	9.40	8.00	7.80	8.70									
Kirkpatrick, John	9.50	8.20	8.70	7.20	9.40	7.90	8.80	8.20									
Sanchez, Art	9.40	9.20	9.00	7.80	9.50	9.10	8.70	8.50									
Foecking, Brian	9.30	9.10	8.70	8.20	9.70	9.30	8.70	8.60									
Castillo, George	9.50	9.60	8.90	7.70	9.60	9.60	8.90	8.70									
Kobrinetz, Jack	9.60	9.00	8.80	7.80	9.70	9.00	8.80	8.90									
Lam, Eddie	9.75	9.90	9.10	8.30	9.80	9.90	8.90	9.25									
Lowsky, John	9.80	9.10	9.35	8.45	9.70	8.90	8.15	9.40									
Radonich, Pete	9.50	9.00	8.80	7.60	9.70	9.10	8.50	8.60									
Rodriguez, Jesse	9.50	8.70	8.40	7.80	9.60	9.60	8.90	8.40									
Seiz, Ray	9.80	9.50	9.20	8.90	9.80	9.80	9.00	9.10									
Shoda, Ron	9.60	9.50	9.10	8.90	9.70	9.30	9.30	9.20									
Terrado, Teresa	9.60	9.40	9.10	7.70	9.70	9.60	9.30	9.20									
Tuchsen, Richard	9.40	8.90	8.00	7.20	9.50	7.40	8.10	8.00									
Viera, Ralph	9.40	8.80	9.00	8.70	9.50	8.70	9.00	9.00									
Barrera, Tony	9.50	8.90	9.10	8.50	9.60	8.90	8.90	9.10									
Avis, Steve	9.62	8.60	8.89	7.78	9.60	8.50	8.40	9.08									
MAXIMUM	9.80	9.90	9.35	9.00	9.80	9.90	9.30	9.40									
MINIMUM	8.00	8.00	8.00	7.20	9.40	7.40	7.80	8.00									
RANGE (MAX-MIN)	1.80	1.90	1.35	1.80	0.40	2.50	1.50	1.40									
MEAN	9.45	8.97	8.92	8.13	9.61	8.90	8.70	8.89									
STD	0.36	0.49	0.31	0.54	0.11	0.68	0.38	0.39									



yi within 1 75%
 yi within 2 97%
 yi within 3 99%

PART ID = Valve Set H

Yi VALUES

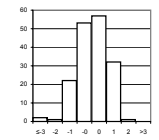
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
Pansza, Mike	-0.13	0.26	0.93	0.69	-0.96	0.15	0.01	0.81										0.22	0.61
Garcia, Orlando	-0.13	0.26	0.27	0.88	-0.08	0.29	-0.77	0.81										0.19	0.53
Adams, Pat	-0.13	-1.79	0.93	1.62	-0.08	-1.03	0.79	1.07										0.17	1.15
Tschirhart, Garland	-0.13	-0.56	0.27	-0.24	-0.08	-1.32	-0.77	0.29										-0.32	0.55
Lopez, Frank	-4.02	-1.99	-0.71	-0.06	-1.84	-1.32	-2.34	-0.48										-1.60	1.26
Kirkpatrick, John	0.15	-1.58	-0.71	-1.74	-1.84	-1.47	0.27	-1.78										-1.09	0.88
Sanchez, Art	-0.13	0.47	0.27	-0.62	-0.96	0.29	0.01	-1.00										-0.21	0.58
Foecking, Brian	-0.41	0.26	-0.71	0.13	0.80	0.59	0.01	-0.74										-0.01	0.57
Castillo, George	0.15	1.29	-0.05	-0.80	-0.08	1.03	0.53	-0.48										0.20	0.72
Kobrinetz, Jack	0.43	0.06	-0.38	-0.62	0.80	0.15	0.27	0.03										0.09	0.44
Lam, Eddie	0.84	1.91	0.60	0.32	1.68	1.47	0.53	0.94										1.03	0.58
Lowsky, John	0.98	0.26	1.42	0.60	0.80	0.00	-1.43	1.33										0.50	0.92
Radonich, Pete	0.15	0.06	-0.38	-0.99	0.80	0.29	-0.51	-0.74										-0.17	0.59
Rodriguez, Jesse	0.15	-0.56	-1.69	-0.62	-0.08	1.03	0.53	-1.26										-0.31	0.90
Seiz, Ray	0.98	1.09	0.93	1.44	1.68	1.32	0.79	0.55										1.10	0.37
Shoda, Ron	0.43	1.09	0.60	1.44	0.80	0.59	1.57	0.81										0.91	0.41
Terrado, Teresa	0.43	0.88	0.60	-0.80	0.80	1.03	1.57	0.81										0.66	0.68
Tuchsen, Richard	-0.13	-0.15	-3.00	-1.74	-0.96	-2.20	-1.56	-2.29										-1.50	1.03
Viera, Ralph	-0.13	-0.35	0.27	1.06	-0.96	-0.29	0.79	0.29										0.08	0.66
Barrera, Tony	0.15	-0.15	0.60	0.69	-0.08	0.00	0.53	0.55										0.29	0.34
Avis, Steve	0.48	-0.76	-0.09	-0.65	-0.08	-0.59	-0.77	0.50										-0.25	0.53
Yi MAXIMUM	-4.02	-1.99	-3.00	-1.74	-1.84	-2.20	-2.34	-2.29										-1.60	1.26
Yi MINIMUM	-0.13	0.06	-0.05	-0.06	-0.08	0.00	0.01	0.03										-0.01	0.34
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	9.45	8.97	8.92	8.13	9.61	8.90	8.70	8.89											
Ratings STD	0.36	0.49	0.31	0.54	0.11	0.68	0.38	0.39											

Light Duty Rating Workshop

PART ID = Valve Set I

RATED VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									
Pansza, Mike	9.40	9.10	8.40	8.30	9.20	9.10	9.20	8.90									
Garcia, Orlando	9.40	9.30	8.70	8.30	9.30	9.20	9.10	8.80									
Adams, Pat	9.00	8.50	8.70	8.00	9.60	8.20	9.00	9.20									
Tschirhart, Garlanc	9.10	8.50	7.60	7.00	9.20	8.50	8.90	8.60									
Lopez, Frank	8.00	8.00	8.20	8.00	9.10	8.00	7.80	8.30									
Kirkpatrick, John	9.10	8.80	7.60	6.80	9.20	8.00	8.80	8.00									
Sanchez, Art	9.30	9.20	7.80	7.50	9.20	9.30	9.10	8.00									
Foecking, Brian	9.20	9.10	8.20	7.70	9.10	9.20	8.90	8.30									
Castillo, George	9.50	9.60	7.90	7.40	9.20	9.60	9.30	8.60									
Kobrinetz, Jack	9.60	9.20	7.70	7.40	9.20	9.00	9.00	8.20									
Lam, Eddie	9.85	9.90	9.00	8.00	9.20	9.90	9.20	9.10									
Lowsky, John	9.25	8.90	8.15	7.25	9.50	9.00	8.75	9.10									
Radonich, Pete	9.20	9.10	8.20	7.30	9.10	9.10	8.90	8.20									
Rodriguez, Jesse	9.20	9.20	8.00	7.60	9.10	9.40	9.10	8.30									
Seiz, Ray	9.80	9.60	8.70	8.80	9.30	9.60	9.40	9.00									
Shoda, Ron	9.60	9.60	9.10	8.80	9.50	9.60	9.20	9.10									
Terrado, Teresa	9.80	9.70	9.40	8.80	9.60	9.80	9.60	9.20									
Tuchsen, Richard	9.50	8.80	8.50	7.90	9.30	8.10	9.00	9.10									
Viera, Ralph	9.20	9.00	8.80	8.50	9.30	8.80	9.00	8.70									
Barrera, Tony	9.20	9.10	8.70	8.40	9.10	9.10	8.80	9.00									
Avis, Steve	9.50	8.80	8.11	7.46	9.54	9.00	8.75	8.74									
MAXIMUM	9.85	9.90	9.40	8.80	9.60	9.90	9.60	9.20									
MINIMUM	8.00	8.00	7.60	6.80	9.10	8.00	7.80	8.00									
RANGE (MAX-MIN)	1.85	1.90	1.80	2.00	0.50	1.90	1.80	1.20									
MEAN	9.32	9.10	8.36	7.87	9.28	9.02	8.99	8.69									
STD	0.39	0.45	0.51	0.60	0.17	0.58	0.35	0.41									



yi within 1 65%
 yi within 2 98%
 yi within 3 99%

PART ID = Valve Set I

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
Pansza, Mike	0.21	0.01	0.09	0.72	-0.46	0.13	0.60	0.52										0.23	0.38
Garcia, Orlando	0.21	0.45	0.68	0.72	0.13	0.31	0.31	0.27										0.39	0.22
Adams, Pat	-0.82	-1.32	0.68	0.22	1.89	-1.43	0.03	1.25										0.06	1.20
Tschirhart, Garlanc	-0.56	-1.32	-1.49	-1.45	-0.46	-0.91	-0.26	-0.21										-0.83	0.53
Lopez, Frank	-3.39	-2.43	-0.31	0.22	-1.05	-1.78	-3.41	-0.95										-1.64	1.36
Kirkpatrick, John	-0.56	-0.65	-1.49	-1.78	-0.46	-1.78	-0.55	-1.68										-1.12	0.61
Sanchez, Art	-0.05	0.23	-1.09	-0.61	-0.46	0.48	0.31	-1.68										-0.36	0.75
Foecking, Brian	-0.31	0.01	-0.31	-0.28	-1.05	0.31	-0.26	-0.95										-0.35	0.45
Castillo, George	0.47	1.12	-0.90	-0.78	-0.46	1.00	0.89	-0.21										0.14	0.83
Kobrinetz, Jack	0.72	0.23	-1.29	-0.78	-0.46	-0.04	0.03	-1.19										-0.35	0.71
Lam, Eddie	1.36	1.78	1.27	0.22	-0.46	1.52	0.60	1.01										0.91	0.75
Lowsky, John	-0.18	-0.43	-0.40	-1.03	1.31	-0.04	-0.69	1.01										-0.06	0.81
Radonich, Pete	-0.31	0.01	-0.31	-0.95	-1.05	0.13	-0.26	-1.19										-0.49	0.50
Rodriguez, Jesse	-0.31	0.23	-0.70	-0.45	-1.05	0.65	0.31	-0.95										-0.28	0.62
Seiz, Ray	1.24	1.12	0.68	1.56	0.13	1.00	1.17	0.76										0.96	0.43
Shoda, Ron	0.72	1.12	1.47	1.56	1.31	1.00	0.60	1.01										1.10	0.34
Terrado, Teresa	1.24	1.34	2.06	1.56	1.89	1.35	1.75	1.25										1.56	0.31
Tuchsen, Richard	0.47	-0.65	0.29	0.05	0.13	-1.61	0.03	1.01										-0.04	0.79
Viera, Ralph	-0.31	-0.21	0.88	1.06	0.13	-0.39	0.03	0.03										0.15	0.54
Barrera, Tony	-0.31	0.01	0.68	0.89	-1.05	0.13	-0.55	0.76										0.07	0.69
Avis, Steve	0.47	-0.65	-0.48	-0.68	1.54	-0.04	-0.69	0.13										-0.05	0.77
Yi MAXIMUM	-3.39	-2.43	2.06	-1.78	1.89	-1.78	-3.41	-1.68										-1.64	1.36
Yi MINIMUM	-0.05	0.01	0.09	0.05	-0.46	-0.04	0.03	-0.21										-0.04	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	9.32	9.10	8.36	7.87	9.28	9.02	8.99	8.69											
Ratings STD	0.39	0.45	0.51	0.60	0.17	0.58	0.35	0.41											

Outline of CRC Rating Workshop Data Analysis Method

1. Calculate the mean and standard deviation of all rated zones for all parts.
2. Convert each individual rating result to a standardized result (Y_i):
$$Y_i = (\text{rating} - \text{mean}) / \text{standard deviation}$$
3. Assess distribution of data using histogram of Y_i results. Investigate causes for any distribution that is not statistically normal and reject data where no resolution is possible.
4. Summarize standardized results for each rater across all parts and determine the following:



























number of Y_i values where $-1 < Y_i \leq 1$
number of Y_i values where $-2 < Y_i \leq 2$
number of Y_i values where $-3 < Y_i \leq 3$
overall standard deviation of the Y_i s

5. Compare and group according to the criteria below:

Group	n*	Within $\pm 1 Y_i$	Within $\pm 2 Y_i$	Maximum Std. Dev.
Blue	6	85%	98%	0.75
Red	6	80%	95%	0.85
White	6	60%	90%	1.20
Yellow	-	-	-	-

* Varies by test area

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	77.4%	99.1%	100.0%	0.0%	0.71	White	
Avis, Steve	14	90.6%	99.1%	100.0%	0.0%	0.66	Blue	
Barrera, Tony	14	77.4%	94.3%	100.0%	0.0%	0.74	White	
Cales, Jonathon	14	82.1%	98.1%	100.0%	0.0%	0.76	Red	
Caproni, David	14	77.4%	95.3%	99.1%	0.9%	0.94	White	
Castillo, George	13	83.2%	100.0%	100.0%	0.0%	0.65	Red	
Foecking, Brian	14	90.6%	100.0%	100.0%	0.0%	0.65	Blue	
Garcia, Orlando	14	67.9%	88.7%	99.1%	0.9%	1.09	Yellow	
Hills, Barry	14	63.2%	95.3%	100.0%	0.0%	0.96	White	
Kobrinetz, Jack	14	94.3%	100.0%	100.0%	0.0%	0.55	Blue	
Lam, Eddie	2	62.5%	75.0%	87.5%	12.5%	1.57	Yellow	
Lopez, Frank	8	82.0%	98.4%	100.0%	0.0%	0.69	Red	
Lowsky, John	10	55.8%	85.7%	96.1%	3.9%	1.38	Yellow	
May, Marianne	12	91.4%	100.0%	100.0%	0.0%	0.56	Blue	
Pansza, Mike	8	68.9%	95.1%	100.0%	0.0%	0.88	White	
Radonich, Pete	14	91.5%	100.0%	100.0%	0.0%	0.60	Blue	
Ramirez, Manny	8	45.9%	86.9%	98.4%	1.6%	1.39	Yellow	
Rodriguez, Jesse	8	83.6%	96.7%	98.4%	1.6%	0.85	White	
Sanchez, Art	8	77.0%	95.1%	100.0%	0.0%	0.88	White	
Seiz, Ray	12	45.6%	75.6%	95.6%	4.4%	1.61	Yellow	
Shoda, Ron	14	84.9%	97.2%	100.0%	0.0%	0.78	Red	
Szynal, Stephen	14	76.4%	99.1%	100.0%	0.0%	0.82	White	
Terrado, Teresa	8	54.1%	83.6%	93.4%	6.6%	1.50	Yellow	
Tschirhart, Garland	8	68.9%	93.4%	100.0%	0.0%	1.02	White	
Tuchsen, Richard	8	41.0%	67.2%	90.2%	9.8%	1.70	Yellow	
Viera, Ralph	11	74.1%	98.8%	100.0%	0.0%	0.69	White	

Group Criteria

	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 Totals	
White	6	60%	90%	1.20	10	38%
Red	6	80%	95%	0.85	4	15%
Blue	6	85%	98%	0.75	5	19%
Yellow	-	-	-	-	7	27%

Light Duty Rating Workshop - Sequence III

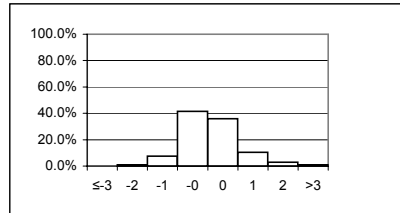
Rater = Caproni, David

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust								UWPD	WPD	MEAN	STD
Calibration 1 Seq III	-0.26	-0.32	-1.01	0.50	0.69	0.98	0.30	0.70								0.60	0.55	0.27	0.61
Calibration 2 Seq III	-0.62	-1.13	0.33	0.28	0.73	1.16	-0.34	-0.19								0.13	0.62	0.10	0.68
A1 Seq III Piston	2.20	-0.42	0.62	-0.42	0.18	-0.73	0.67	1.09								0.47	0.11	0.38	0.86
A2 Seq III Piston	0.99	0.11	-0.46	-0.65	0.04	-0.05	-0.15	-0.25								0.64	0.06	0.03	0.48
A3 Seq III Piston	0.72	2.11	-0.74	-0.95	-0.25	1.06	-1.49	0.77								1.38	0.81	0.34	1.15
A4 Seq III Piston	0.32	-0.11	-0.54	0.55	0.48	0.55	0.98	-0.91								0.77	0.82	0.29	0.62
A5 Square-cut Piston	0.59	0.76	0.10	1.66	0.68											1.70	1.70	1.03	0.65
A6 Seq III Piston	-0.31	-1.15	-0.58	1.59	-0.06	0.98	-0.03	1.59								0.26	0.13	0.24	0.90
B1 Seq III Piston	-0.18	1.84	-0.06	1.04	-0.01	-0.43	0.79	1.03								0.99	0.83	0.58	0.72
B2 Seq III Piston	1.07	-0.45	-0.91	0.91	-0.86	-0.22	0.27	-0.15								0.03	-0.29	-0.06	0.66
B3 Seq III Piston	2.25	-2.47	-1.44	-1.68	0.58	0.50	-0.69	0.21								-0.28	-0.34	-0.34	1.34
B4 Seq III Piston	-0.02	0.98	-1.31	3.71	0.41	1.94	-0.25	-0.38								1.82	1.55	0.84	1.46
B5 Square-cut Piston	-0.42	0.62	0.69	-0.70	-1.34											-0.14	-0.14	-0.20	0.72
B6 Seq III Piston	-0.41	0.38	0.36	-0.06	-0.36	-0.37	-0.84	-0.16								0.00	0.18	-0.13	0.38
Yi MAXIMUM	2.25	-2.47	-1.44	3.71	-1.34	1.94	-1.49	1.59								1.82	1.70	1.03	1.46
Yi MINIMUM	-0.02	0.11	-0.06	-0.06	-0.01	-0.05	-0.03	-0.15								0.00	0.06	0.03	0.38
Yi MEAN	0.42	0.05	-0.35	0.41	0.06	0.45	-0.07	0.28								0.60	0.47		
Yi STD	0.94	1.21	0.70	1.36	0.61	0.81	0.72	0.75								0.67	0.63		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	0.9%	-1 < yi ≤ 1	77.4%
-2 lt yi le -1	8	7.5%	-2 < yi ≤ 2	95.3%
-1 lt yi le 0	44	41.5%	-3 < yi ≤ 3	99.1%
0 lt yi le 1	38	35.8%	>3	0.9%
1 lt yi le 2	11	10.4%		
2 lt yi le 3	3	2.8%	Overall Yi STD	0.94
3 lt yi	1	0.9%	Parts Rated	14
total	106	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Sequence III

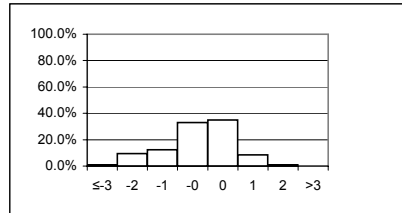
Rater = Garcia, Orlando

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust								UWPD	WPD	MEAN	STD
Calibration 1 Seq III	0.25	-0.38	-0.59	-0.06	-0.46	-0.03	1.90	0.10								0.05	-0.23	0.06	0.70
Calibration 2 Seq III	0.92	-1.94	-0.91	0.14	-0.70	-0.67	0.65	0.51								-0.29	-0.85	-0.31	0.88
A1 Seq III Piston	1.58	-0.85	-2.31	0.59	-0.95	-0.44	0.16	1.09								-0.24	-0.87	-0.22	1.13
A2 Seq III Piston	0.47	0.41	-2.13	0.13	0.04	-0.44	-2.35	0.26								-0.13	-0.96	-0.47	1.02
A3 Seq III Piston	2.34	-0.28	-2.02	-0.09	-1.33	-0.18	-0.90	-0.93								-0.11	-1.12	-0.46	1.17
A4 Seq III Piston	0.72	0.36	-1.62	0.11	0.36	1.05	-0.51	-1.11								0.76	0.34	0.05	0.86
A5 Square-cut Piston	0.50	-3.23	-2.13	1.16	-1.16											-1.43	-1.43	-1.10	1.50
A6 Seq III Piston	0.01	0.23	-1.93	0.83	0.31	0.39	-1.58	0.16								-0.08	-0.08	-0.17	0.88
B1 Seq III Piston	0.22	-1.16	-2.28	-0.28	-2.19	-0.52	-1.76	-0.47								-1.65	-1.95	-1.20	0.89
B2 Seq III Piston	-0.25	-1.43	-2.44	-0.36	-1.85	1.00	-1.25	0.20								-1.52	-2.00	-0.99	1.09
B3 Seq III Piston	0.87	0.69	-0.77	1.38	0.55	0.58	-2.12	1.61								0.14	0.14	0.31	1.08
B4 Seq III Piston	0.23	0.46	-2.76	-0.23	-0.02	1.15	-0.77	-0.15								-0.07	-0.35	-0.25	1.02
B5 Square-cut Piston	-0.69	-0.93	-1.02	0.21	-0.81											-1.75	-1.75	-0.96	0.67
B6 Seq III Piston	0.08	-0.06	0.00	-0.06	1.34	-0.93	0.19	0.25								0.23	0.55	0.16	0.56
Yi MAXIMUM	2.34	-3.23	-2.76	1.38	-2.19	1.15	-2.35	1.61								-1.75	-2.00	-1.20	1.50
Yi MINIMUM	0.01	-0.06	0.00	-0.06	-0.02	-0.03	0.16	0.10								0.05	-0.08	0.05	0.56
Yi MEAN	0.52	-0.58	-1.64	0.25	-0.49	0.08	-0.69	0.13								-0.44	-0.75		
Yi STD	0.76	1.10	0.83	0.54	0.98	0.73	1.25	0.76								0.80	0.84		

	count	percent		
yi le -3	1	0.9%		
-3 lt yi le -2	10	9.4%	-1 < yi ≤ 1	67.9%
-2 lt yi le -1	13	12.3%	-2 < yi ≤ 2	88.7%
-1 lt yi le 0	35	33.0%	-3 < yi ≤ 3	99.1%
0 lt yi le 1	37	34.9%	>3	0.9%
1 lt yi le 2	9	8.5%		
2 lt yi le 3	1	0.9%	Overall Yi STD	1.09
3 lt yi	0	0.0%		
total	106	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Rating Workshop - Sequence III

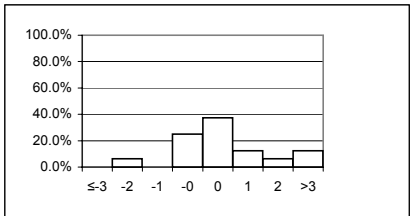
Rater = Lam, Eddie

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust							UWPD	WPD	MEAN	STD
Calibration 1_Seq III	-2.26	1.39	0.00	3.58	2.84	0.44	0.22	0.04							1.86	2.53	1.06	1.72
Calibration 2_Seq III	3.34	0.16	-0.69	0.01	-0.21	1.38	-1.00	0.81							2.25	0.78	0.68	1.34
A1_Seq III_Piston																		
A2_Seq III_Piston																		
A3_Seq III_Piston																		
A4_Seq III_Piston																		
A5_Square-cut_Piston																		
A6_Seq III_Piston																		
B1_Seq III_Piston																		
B2_Seq III_Piston																		
B3_Seq III_Piston																		
B4_Seq III_Piston																		
B5_Square-cut_Piston																		
B6_Seq III_Piston																		
Yi MAXIMUM	3.34	1.39	-0.69	3.58	2.84	1.38	-1.00	0.81							2.25	2.53	1.06	1.72
Yi MINIMUM	-2.26	0.16	0.00	0.01	-0.21	0.44	0.22	0.04							1.86	0.78	0.68	1.34
Yi MEAN	0.54	0.78	-0.35	1.79	1.32	0.91	-0.39	0.42							2.06	1.66		
Yi STD	3.96	0.87	0.48	2.52	2.15	0.67	0.86	0.54							0.28	1.24		

	count	percent		percent
yi ≤ -3	0	0.0%		
-3 lt yi ≤ -2	1	6.3%	-1 < yi ≤ 1	62.5%
-2 lt yi ≤ -1	0	0.0%	-2 < yi ≤ 2	75.0%
-1 lt yi ≤ 0	4	25.0%	-3 < yi ≤ 3	87.5%
0 lt yi ≤ 1	6	37.5%	>3	12.5%
1 lt yi ≤ 2	2	12.5%		
2 lt yi ≤ 3	1	6.3%	Overall Yi STD	1.57
3 lt yi	2	12.5%		
total	16	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Light Duty Rating Workshop - Sequence III

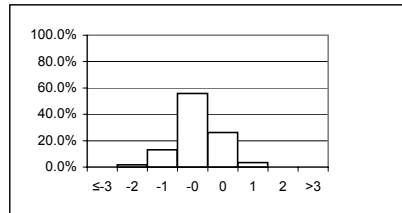
Rater = Lopez, Frank

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust								UWPD	WPD	MEAN	STD
Calibration 1_Seq III	0.01	0.23	-0.91	-0.27	-0.12	-0.66	-0.78	0.70								-0.65	-0.56	-0.30	0.51
Calibration 2_Seq III	-0.47	-0.12	0.46	-0.36	-0.18	-1.08	-0.74	-0.19								-0.99	-0.69	-0.44	0.46
A1_Seq III_Piston																			
A2_Seq III_Piston																			
A3_Seq III_Piston																			
A4_Seq III_Piston																			
A5_Square-cut_Piston																			
A6_Seq III_Piston																			
B1_Seq III_Piston	-0.18	-1.45	-0.06	-0.18	-0.01	-1.08	-0.49	0.28								-0.93	-0.64	-0.47	0.55
B2_Seq III_Piston	-0.80	-2.15	0.52	1.02	0.84	-1.55	-0.71	0.54								-1.11	-0.11	-0.35	1.08
B3_Seq III_Piston	-0.14	-0.12	-0.51	0.58	-1.17	-0.62	-0.89	0.21								-1.11	-1.20	-0.50	0.62
B4_Seq III_Piston	-0.70	-0.75	-0.03	-0.34	-0.72	-1.30	-1.53	0.47								-1.33	-1.16	-0.74	0.63
B5_Square-cut_Piston	-0.52	0.05	0.69	0.39	-0.09											-0.27	-0.27	0.00	0.42
B6_Seq III_Piston	-0.36	1.06	-0.01	0.12	-0.92	-0.34	-1.65	0.67								-0.76	-0.64	-0.28	0.79
Yi MAXIMUM	-0.80	-2.15	-0.91	1.02	-1.17	-1.55	-1.65	0.70								-1.33	-1.20	-0.74	1.08
Yi MINIMUM	0.01	0.05	-0.01	0.12	-0.01	-0.34	-0.49	-0.19								-0.27	-0.11	0.00	0.42
Yi MEAN	-0.39	-0.40	0.02	0.12	-0.30	-0.95	-0.97	0.38								-0.89	-0.66		
Yi STD	0.28	1.01	0.54	0.50	0.63	0.43	0.44	0.31								0.33	0.38		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	1.6%	-1 < yi ≤ 1	82.0%
-2 lt yi le -1	8	13.1%	-2 < yi ≤ 2	98.4%
-1 lt yi le 0	34	55.7%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	16	26.2%	>3	0.0%
1 lt yi le 2	2	3.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.69
3 lt yi	0	0.0%		
total	61	100.0%	Parts Rated	8

Yi distribution (excluding shaded columns)



Group: Red

Light Duty Rating Workshop - Sequence III

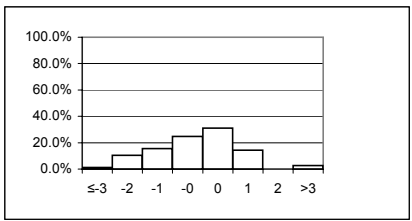
Rater = Lowsky, John

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust							UWPD	WPD	MEAN	STD
Calibration 1 Seq III	0.76	0.23	-0.21	0.56	0.43	1.71	-0.65	-4.02							0.82	0.63	0.03	1.56
Calibration 2 Seq III	0.12	0.20	-2.50	0.24	-0.35	0.86	-1.17	-1.78							-0.43	-0.85	-0.57	1.03
A1 Seq III Piston	0.60	0.25	-1.15	1.26	-0.37	1.04	-2.06	-2.07							0.78	0.27	-0.14	1.23
A2 Seq III Piston	0.52	0.71	-0.83	0.90	0.04	3.51	0.08	-1.15							1.24	1.43	0.64	1.31
A3 Seq III Piston	1.41	0.14	-0.98	0.85	0.34	1.82	-0.39	-1.55							1.98	1.61	0.52	1.22
A4 Seq III Piston	-0.01	0.36	-1.19	-0.38	0.02	1.46	-1.06	-2.18							0.37	0.12	-0.25	1.01
A5 Square-cut Piston	1.94	-0.16	-2.32	0.17	-0.37										-0.49	-0.49	-0.25	1.25
A6 Seq III Piston	1.43	-0.35	-0.92	-0.61	0.88	2.00	-1.09	-1.28							0.93	0.73	0.17	1.16
B1 Seq III Piston	-0.18	-1.25	-1.97	1.51	-1.88	0.75	-2.05	-2.73							-0.26	-0.58	-0.86	1.35
B2 Seq III Piston	1.19	0.98	-0.74	-0.09	-0.48	3.33	-0.76	-2.91							2.01	0.92	0.35	1.73
B3 Seq III Piston																		
B4 Seq III Piston																		
B5 Square-cut Piston																		
B6 Seq III Piston																		
Yi MAXIMUM	1.94	-1.25	-2.50	1.51	-1.88	3.51	-2.06	-4.02							2.01	1.61	-0.86	1.73
Yi MINIMUM	-0.01	0.14	-0.21	-0.09	0.02	0.75	0.08	-1.15							-0.26	0.12	0.03	1.01
Yi MEAN	0.78	0.11	-1.28	0.44	-0.17	1.83	-1.02	-2.19							0.70	0.38		
Yi STD	0.70	0.61	0.74	0.70	0.74	1.00	0.70	0.91							0.91	0.84		

	count	percent		
yi ≤ -3	1	1.3%		
-3 lt yi ≤ -2	8	10.4%	-1 < yi ≤ 1	55.8%
-2 lt yi ≤ -1	12	15.6%	-2 < yi ≤ 2	85.7%
-1 lt yi ≤ 0	19	24.7%	-3 < yi ≤ 3	96.1%
0 lt yi ≤ 1	24	31.2%	>3	3.9%
1 lt yi ≤ 2	11	14.3%		
2 lt yi ≤ 3	0	0.0%	Overall Yi STD	1.38
3 lt yi	2	2.6%		
total	77	100.0%	Parts Rated	10

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Sequence III

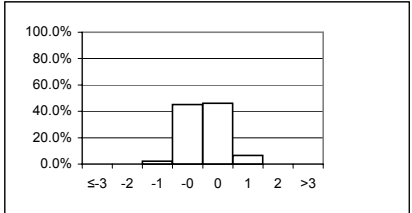
Rater = May, Marianne

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust								UWPD	WPD	MEAN	STD
Calibration 1 Seq III	0.76	0.23	0.13	-0.51	0.18	-0.39	-0.25	0.30								-0.11	-0.06	0.03	0.37
Calibration 2 Seq III	-1.20	0.04	-0.20	-0.41	0.26	-0.20	0.25	0.75								-0.72	-0.22	-0.16	0.54
A1 Seq III Piston	-0.87	-0.48	0.08	1.34	0.76	-0.32	1.17	0.88								0.33	0.81	0.37	0.75
A2 Seq III Piston	-0.18	-0.79	-0.28	-0.54	0.04	-1.02	1.04	1.77								-0.39	-0.61	-0.10	0.86
A3 Seq III Piston																			
A4 Seq III Piston	-0.07	0.36	-0.32	-0.48	0.48	-0.78	-0.57	-0.33								-0.82	-0.94	-0.35	0.48
A5 Square-cut Piston																			
A6 Seq III Piston	-0.31	0.82	0.32	0.60	0.33	-0.34	0.01	1.02								0.43	0.47	0.33	0.45
B1 Seq III Piston	-0.18	0.37	0.13	-0.03	0.55	-0.22	-0.70	0.43								0.07	0.19	0.06	0.37
B2 Seq III Piston	-0.56	-0.77	-0.30	-0.15	0.23	-0.49	0.47	0.80								-0.79	-0.47	-0.20	0.54
B3 Seq III Piston	0.18	-0.12	-0.15	-0.08	-0.34	-0.68	0.36	0.49								-0.42	-0.42	-0.12	0.37
B4 Seq III Piston	-0.28	-0.43	-0.33	-0.23	0.65	0.23	0.21	0.70								0.06	0.33	0.09	0.40
B5 Square-cut Piston	-0.58	0.89	1.01	0.10	0.31											1.04	1.04	0.54	0.62
B6 Seq III Piston	0.16	-0.25	0.20	0.02	0.01	-0.56	0.44	0.59								0.33	0.31	0.12	0.34
Yi MAXIMUM	-1.20	0.89	1.01	1.34	0.76	-1.02	1.17	1.77								1.04	1.04	0.54	0.86
Yi MINIMUM	-0.07	0.04	0.08	0.02	0.01	-0.20	0.01	0.30								0.06	-0.06	0.03	0.34
Yi MEAN	-0.26	-0.01	0.02	-0.03	0.29	-0.43	0.22	0.67								-0.08	0.04		
Yi STD	0.51	0.57	0.39	0.54	0.30	0.33	0.59	0.51								0.57	0.59		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	91.4%
-2 lt yi le -1	2	2.2%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	42	45.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	43	46.2%	>3	0.0%
1 lt yi le 2	6	6.5%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.56
3 lt yi	0	0.0%	Parts Rated	12
total	93	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Rating Workshop - Sequence III

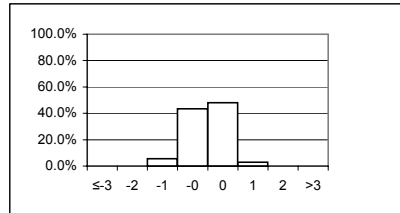
Rater = Radonich, Pete

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust							UWPD	WPD	MEAN	STD
Calibration 1_Seq III	-0.17	0.23	0.55	-0.25	-1.27	-1.05	-0.93	0.04							-0.99	-1.01	-0.48	0.64
Calibration 2_Seq III	-1.41	0.56	0.77	-0.31	-0.56	-0.80	-0.20	0.39							-1.16	-0.72	-0.34	0.73
A1_Seq III_Piston	-0.45	-0.21	0.62	-0.45	-0.35	0.02	0.16	0.56							-0.44	-0.37	-0.09	0.41
A2_Seq III_Piston	0.24	0.71	0.77	-0.22	0.04	-0.05	0.25	-0.15							0.31	0.43	0.23	0.34
A3_Seq III_Piston	0.22	-0.50	0.86	0.56	0.07	-1.29	0.16	0.77							-0.76	-0.51	-0.04	0.71
A4_Seq III_Piston	0.14	0.36	0.81	0.16	-0.09	-0.85	-0.28	0.45							-0.33	-0.25	0.01	0.47
A5_Square-cut Piston	-0.68	-0.16	0.10	-0.96	0.68										-0.28	-0.28	-0.23	0.53
A6_Seq III_Piston	-0.31	-1.53	0.66	0.87	-1.58	-0.40	-0.59	0.88							-1.17	-1.27	-0.44	0.97
B1_Seq III_Piston	-0.18	0.22	0.57	0.28	0.61	-0.31	0.08	0.28							0.32	0.49	0.24	0.30
B2_Seq III_Piston	-0.36	0.04	1.03	0.00	1.05	-0.70	0.62	-0.15							0.10	0.58	0.22	0.58
B3_Seq III_Piston	0.12	0.69	0.11	0.18	-0.41	-0.95	-0.01	0.21							-0.45	-0.40	-0.09	0.46
B4_Seq III_Piston	-0.63	0.10	1.03	-0.32	-0.83	-0.77	-0.14	0.01							-0.65	-0.69	-0.29	0.57
B5_Square-cut Piston	-0.58	-0.36	0.69	-0.49	0.68										-0.12	-0.12	-0.04	0.53
B6_Seq III_Piston	-0.49	0.06	0.37	-0.40	-0.59	-0.34	-0.34	0.67							-0.07	0.05	-0.11	0.40
Yi MAXIMUM	-1.41	-1.53	1.03	-0.96	-1.58	-1.29	-0.93	0.88							-1.17	-1.27	-0.48	0.97
Yi MINIMUM	0.12	0.04	0.10	0.00	0.04	0.02	-0.01	0.01							-0.07	0.05	0.01	0.30
Yi MEAN	-0.32	0.02	0.64	-0.10	-0.18	-0.62	-0.10	0.33							-0.41	-0.29		
Yi STD	0.44	0.58	0.29	0.47	0.77	0.41	0.41	0.35							0.50	0.55		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	91.5%
-2 lt yi le -1	6	5.7%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	46	43.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	51	48.1%	>3	0.0%
1 lt yi le 2	3	2.8%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.60
3 lt yi	0	0.0%		
total	106	100.0%	Parts Rated	14

Yi distribution (excluding shaded columns)



April 30-May4, 2007

Light Duty Rating Workshop - Sequence III

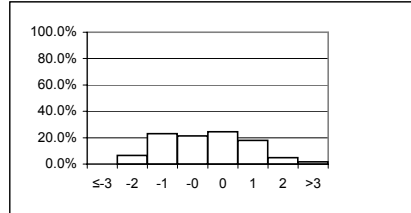
Rater = Ramirez, Manny

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust									UWPD	WPD	MEAN	STD
Calibration 1_Seq III	0.34	-0.75	-0.28	-0.38	0.84	0.75	1.49	-1.96									0.59	0.59	0.12	0.99
Calibration 2_Seq III	0.23	-1.13	-1.17	1.89	0.58	1.64	0.49	-0.66									0.98	0.91	0.38	1.07
A1_Seq III_Piston																				
A2_Seq III_Piston																				
A3_Seq III_Piston																				
A4_Seq III_Piston																				
A5_Square-cut_Piston																				
A6_Seq III_Piston																				
B1_Seq III_Piston	-2.18	0.32	1.21	-1.52	0.98	-1.55	1.49	1.03									-0.99	-0.47	-0.17	1.34
B2_Seq III_Piston	0.55	-0.27	-1.12	0.62	-1.91	0.91	-1.98	0.54									0.00	-0.70	-0.34	1.06
B3_Seq III_Piston	-1.64	-2.11	-1.13	-0.75	2.25	1.81	-1.11	0.21									0.55	1.08	-0.08	1.49
B4_Seq III_Piston	1.91	2.45	-1.10	0.18	2.46	1.94	-2.02	-2.68									2.31	2.40	0.79	2.02
B5_Square-cut_Piston	-0.25	1.37	-1.78	-1.26	-0.90												-1.44	-1.44	-0.82	1.08
B6_Seq III_Piston	-0.36	-0.13	-0.50	-0.19	1.30	3.36	0.37	-0.91									0.55	0.31	0.38	1.22
Yi MAXIMUM	-2.18	2.45	-1.78	1.89	2.46	3.36	-2.02	-2.68									2.31	2.40	-0.82	2.02
Yi MINIMUM	0.23	-0.13	-0.28	0.18	0.58	0.75	0.37	0.21									0.00	0.31	-0.08	0.99
Yi MEAN	-0.18	-0.03	-0.73	-0.18	0.70	1.27	-0.18	-0.63									0.32	0.33		
Yi STD	1.28	1.43	0.91	1.09	1.48	1.51	1.52	1.35									1.16	1.20		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	4	6.6%	-1 < yi ≤ 1	45.9%
-2 lt yi le -1	14	23.0%	-2 < yi ≤ 2	86.9%
-1 lt yi le 0	13	21.3%	-3 < yi ≤ 3	98.4%
0 lt yi le 1	15	24.6%	> 3	1.6%
1 lt yi le 2	11	18.0%		
2 lt yi le 3	3	4.9%	Overall Yi STD	1.39
3 lt yi	1	1.6%		
total	61	100.0%	Parts Rated	8

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Sequence III

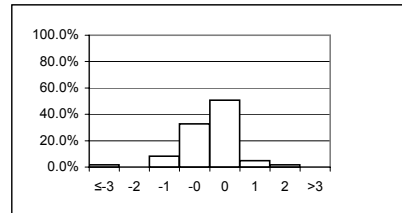
Rater = Rodriguez, Jesse

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust							UWPD	WPD	MEAN	STD
Calibration 1 Seq III	0.01	0.05	0.24	-0.46	-0.50	-0.04	1.18	0.63							0.00	-0.19	0.09	0.50
Calibration 2 Seq III	-1.15	0.93	1.04	0.01	-0.09	-0.52	0.99	0.51							-0.28	0.16	0.16	0.72
A1 Seq III Piston	0.81	-0.70	-0.15	0.64	0.36	1.09	-0.34	0.04							0.92	0.67	0.33	0.59
A2 Seq III Piston	-1.39	-3.21	0.15	-1.27	-0.13	-0.05	0.08	0.26							-1.66	-1.71	-0.89	1.14
A3 Seq III Piston	0.22	0.16	-0.50	0.71	0.83	-0.84	0.16	0.00							-0.18	0.10	0.07	0.50
A4 Seq III Piston	-0.98	0.36	-0.92	-0.72	0.59	-0.85	0.40	0.55							-1.34	-1.35	-0.43	0.80
A5 Square-cut Piston	-0.41	-1.28	0.10	-0.39	-0.37										-0.98	-0.98	-0.61	0.48
A6 Seq III Piston	2.91	0.18	0.77	-1.19	0.58	0.43	0.01	0.16							0.88	0.69	0.54	1.02
B1 Seq III Piston																		
B2 Seq III Piston																		
B3 Seq III Piston																		
B4 Seq III Piston																		
B5 Square-cut Piston																		
B6 Seq III Piston																		
Yi MAXIMUM	2.91	-3.21	1.04	-1.27	0.83	1.09	1.18	0.63							-1.66	-1.71	-0.89	1.14
Yi MINIMUM	0.01	0.05	0.10	0.01	-0.09	-0.04	0.01	0.00							0.00	0.10	0.07	0.48
Yi MEAN	0.00	-0.44	0.09	-0.34	0.16	-0.11	0.36	0.31							-0.33	-0.33		
Yi STD	1.39	1.31	0.63	0.75	0.49	0.70	0.55	0.26							0.96	0.91		

	count	percent		Overall Yi STD
yi le -3	1	1.6%		0.85
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	
-2 lt yi le -1	5	8.2%	-2 < yi ≤ 2	
-1 lt yi le 0	20	32.8%	-3 < yi ≤ 3	
0 lt yi le 1	31	50.8%	> 3	
1 lt yi le 2	3	4.9%		
2 lt yi le 3	1	1.6%		
3 lt yi	0	0.0%		
total	61	100.0%	Parts Rated	

Yi distribution (excluding shaded columns)



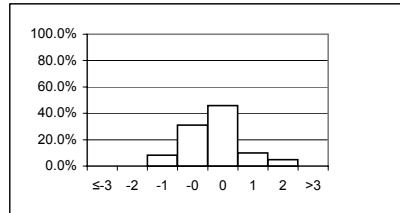
Rater = Sanchez, Art

Yi VALUES

	Groove 1	Groove 2	Groove 3	Land 2	Land 3	Under-crown	Thrust	Anti-thrust									UWPD	WPD	MEAN	STD
Calibration 1 Seq III	-0.54	0.05	2.87	-0.94	0.39	0.41	-0.95	0.44									0.41	0.67	0.28	1.09
Calibration 2 Seq III	0.66	1.37	1.88	0.70	-1.14	-0.05	0.68	0.33									0.99	0.43	0.59	0.81
A1 Seq III Piston	-0.10	2.12	-0.15	0.18	1.10	0.65	0.26	0.04									1.48	1.38	0.70	0.78
A2 Seq III Piston	1.74	-0.49	0.15	-0.69	-0.29	-0.05	-0.32	-0.85									1.33	0.64	0.12	0.87
A3 Seq III Piston	-0.58	0.89	0.06	-1.03	1.10	-0.80	0.24	-0.08									-0.50	-0.10	-0.08	0.69
A4 Seq III Piston	2.15	0.36	0.54	-0.43	-0.09	0.56	0.35	-1.01									1.76	1.29	0.55	0.97
A5 Square-cut Piston	0.50	0.65	0.40	0.97	0.68												1.28	1.28	0.82	0.36
A6 Seq III Piston	-1.02	0.38	1.14	-0.70	0.62	0.15	-0.52	-1.71									0.36	0.64	-0.07	0.89
B1 Seq III Piston																				
B2 Seq III Piston																				
B3 Seq III Piston																				
B4 Seq III Piston																				
B5 Square-cut Piston																				
B6 Seq III Piston																				
Yi MAXIMUM	2.15	2.12	2.87	-1.03	-1.14	-0.80	-0.95	-1.71									1.76	1.38	0.82	1.09
Yi MINIMUM	-0.10	0.05	0.06	0.18	-0.09	-0.05	0.24	0.04									0.36	-0.10	-0.07	0.36
Yi MEAN	0.35	0.67	0.86	-0.24	0.30	0.13	-0.04	-0.41									0.89	0.78		
Yi STD	1.14	0.81	1.05	0.76	0.77	0.49	0.58	0.80									0.75	0.51		
























	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	77.0%
-2 lt yi le -1	5	8.2%	-2 < yi ≤ 2	95.1%
-1 lt yi le 0	19	31.1%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	28	45.9%	>3	0.0%
1 lt yi le 2	6	9.8%		
2 lt yi le 3	3	4.9%	Overall Yi STD	0.88
3 lt yi	0	0.0%		
total	61	100.0%	Parts Rated	8

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop - Seq V Varnish

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	5	91.3%	100.0%	100.0%	0.0%	0.55	Blue	
Barrera, Tony	5	91.3%	100.0%	100.0%	0.0%	0.53	Blue	
Cales, Jonathon	5	82.6%	100.0%	100.0%	0.0%	0.69	Red	
Caproni, David	5	78.3%	100.0%	100.0%	0.0%	0.91	White	
Castillo, George	5	69.6%	100.0%	100.0%	0.0%	0.68	White	
Foecking, Brian	5	100.0%	100.0%	100.0%	0.0%	0.49	Blue	
Garcia, Orlando	5	78.3%	91.3%	100.0%	0.0%	0.91	White	
Kirkpatrick, John	5	8.7%	52.2%	91.3%	8.7%	1.24	Yellow	
Kobrinetz, Jack	5	100.0%	100.0%	100.0%	0.0%	0.36	Blue	
Lam, Eddie	2	0.0%	50.0%	100.0%	0.0%	0.57	Yellow	
Lopez, Frank	5	34.8%	78.3%	100.0%	0.0%	1.04	Yellow	
Lowsky, John	5	78.3%	82.6%	91.3%	8.7%	1.26	Yellow	
May, Marianne	5	95.7%	100.0%	100.0%	0.0%	0.40	Blue	
Pansza, Mike	5	52.2%	87.0%	100.0%	0.0%	1.10	Yellow	
Radonich, Pete	5	95.7%	100.0%	100.0%	0.0%	0.51	Blue	
Ramirez, Manny	1	75.0%	100.0%	100.0%	0.0%	0.47	White	
Rodriguez, Jesse	5	82.6%	100.0%	100.0%	0.0%	0.58	Red	
Sanchez, Art	5	95.7%	95.7%	100.0%	0.0%	0.64	Red	
Seiz, Ray	5	47.8%	100.0%	100.0%	0.0%	0.92	Yellow	
Shoda, Ron	5	95.7%	100.0%	100.0%	0.0%	0.56	Blue	
Tschirhart, Garland	5	78.3%	100.0%	100.0%	0.0%	0.50	White	
Tuchsen, Richard	1	25.0%	100.0%	100.0%	0.0%	1.55	Yellow	
Viera, Ralph	5	87.0%	95.7%	100.0%	0.0%	0.73	Red	

Group Criteria

	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	0	60%	90%	1.20	5	22%
Red	0	80%	95%	0.85	4	17%
Blue	0	85%	98%	0.75	7	30%
Yellow	-	-	-	-	7	30%

Light Duty Rating Workshop - Seq V Varnish

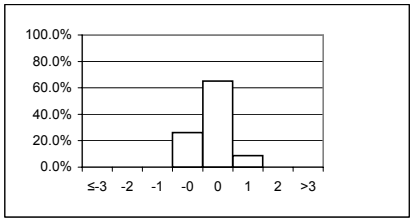
Rater = Adams, Pat

Yi VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pists	0.06	-0.82	0.30	-0.06															-0.13	0.48
D1-8 Seq V Pistons	-0.14	1.22	-0.21	0.06	0.01		0.51	0.89											0.33	0.55
E1-8 Seq V Pistons	0.22	0.22	-0.70	0.98	1.07		0.02	-0.40											0.20	0.65
Calibration Seq V Va										0.95	0.08								0.52	0.62
Seq V Varnish									0.33	0.94	0.07								0.44	0.45
Yi MAXIMUM	0.22	1.22	-0.70	0.98	1.07		0.51	0.89	0.33	0.95	0.08								0.52	0.65
Yi MINIMUM	0.06	0.22	-0.21	-0.06	0.01		0.02	-0.40	0.33	0.94	0.07								-0.13	0.45
Yi MEAN	0.05	0.21	-0.20	0.33	0.54		0.27	0.24	0.33	0.95	0.07									
Yi STD	0.18	1.02	0.50	0.57	0.75		0.35	0.91		0.01	0.01									

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	91.3%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	6	26.1%	>3	0.0%
0 lt yi le 1	15	65.2%		
1 lt yi le 2	2	8.7%	Overall Yi STD	0.55
2 lt yi le 3	0	0.0%	Parts Rated	5
3 lt yi	0	0.0%		
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop - Seq V Varnish

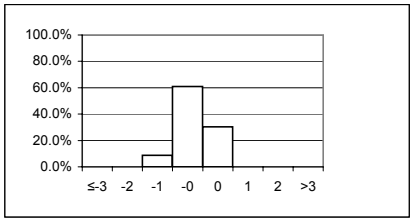
Rater = Barrera, Tony

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R						MEAN	STD
Calibration Seq V Pist	-0.94	-1.07	0.01	-0.13													-0.53	0.55
D1-8 Seq V Pistons	0.26	0.45	-0.43	0.18	0.44		0.03	-0.51									0.06	0.39
E1-8 Seq V Pistons	-0.01	-0.59	-0.94	-0.51	-0.31		-0.11	-0.57									-0.43	0.32
Calibration Seq V Varnish									-0.11	0.09	-0.76						-0.26	0.44
Yi MAXIMUM	-0.94	-1.07	-0.94	-0.51	0.44		-0.11	-0.57	-0.11	-0.17	-1.74						-0.96	1.11
Yi MINIMUM	-0.01	0.45	0.01	-0.13	-0.31		0.03	-0.51	-0.11	0.09	-0.76						0.06	0.32
Yi MEAN	-0.23	-0.40	-0.45	-0.15	0.06		-0.04	-0.54	-0.11	-0.04	-1.25							
Yi STD	0.63	0.78	0.48	0.34	0.53		0.10	0.04		0.18	0.69							

yi le -3 .3 lt yi le -2 .2 lt yi le -1 .1 lt yi le 0 0 lt yi le 1 1 lt yi le 2 2 lt yi le 3 3 lt yi total	count 0 0 2 14 7 0 0 0 23	percent 0.0% 0.0% 8.7% 60.9% 30.4% 0.0% 0.0% 0.0% 100.0%		-1 < yi ≤ 1 -2 < yi ≤ 2 -3 < yi ≤ 3 >3 Overall Yi STD Parts Rated	91.3% 100.0% 100.0% 0.0% 0.53 5
---	--	---	--	--	--

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop - Seq V Varnish

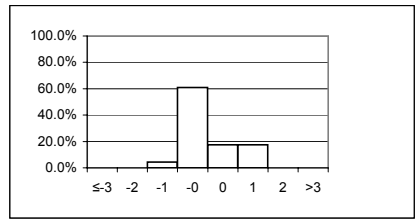
Rater = Caproni, David

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pist	1.76	1.33	1.36	1.64														1.52	0.21
D1-8 Seq V Pistons	-0.42	-0.27	-0.28	-0.64	-0.87		-0.90	-0.58										-0.57	0.26
E1-8 Seq V Pistons	-1.22	-0.31	-0.84	-0.71	-0.63		-0.39	-0.75										-0.69	0.30
Calibration Seq V Varnish									-0.95	0.30	0.27							-0.13	0.72
Yi MAXIMUM	1.76	1.33	1.36	1.64	-0.87		-0.90	-0.75	-0.95	0.65	0.88							1.52	0.72
Yi MINIMUM	-0.42	-0.27	-0.28	-0.64	-0.63		-0.39	-0.58	-0.95	0.30	0.27							-0.13	0.16
Yi MEAN	0.04	0.25	0.08	0.10	-0.75		-0.64	-0.67	-0.95	0.48	0.58								
Yi STD	1.54	0.94	1.14	1.34	0.17		0.36	0.12		0.25	0.43								

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	78.3%
-2 lt yi le -1	1	4.3%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	14	60.9%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	17.4%	>3	0.0%
1 lt yi le 2	4	17.4%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.91
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: White

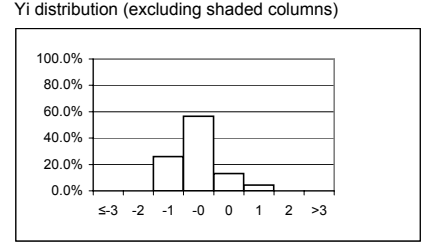
Light Duty Rating Workshop - Seq V Varnish

Rater = Castillo, George

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pis	-0.20	-1.35	-0.84	-0.54															-0.73	0.49
D1-8 Seq V Pistons	0.03	-0.32	-1.49	-0.95	-1.01		-1.00	-1.07											-0.83	0.51
E1-8 Seq V Pistons	1.08	-0.10	-0.87	-0.62	-0.89		-1.12	-0.72											-0.46	0.75
Calibration Seq V Va										-0.06	0.74								0.34	0.56
Seq V Varnish									-1.46	-0.04	0.27								-0.41	0.92
Yi MAXIMUM	1.08	-1.35	-1.49	-0.95	-1.01		-1.12	-1.07	-1.46	-0.06	0.74								-0.83	0.92
Yi MINIMUM	0.03	-0.10	-0.84	-0.54	-0.89		-1.00	-0.72	-1.46	-0.04	0.27								0.34	0.49
Yi MEAN	0.30	-0.59	-1.07	-0.70	-0.95		-1.06	-0.89	-1.46	-0.05	0.51									
Yi STD	0.68	0.67	0.37	0.22	0.08		0.08	0.25		0.01	0.33									

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	69.6%
-2 lt yi le -1	6	26.1%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	13	56.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	13.0%	>3	0.0%
1 lt yi le 2	1	4.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.68
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		



Group: White

Light Duty Rating Workshop - Seq V Varnish

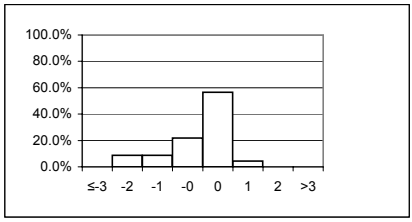
Rater = Garcia, Orlando

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R						MEAN	STD
Calibration Seq V Pis	0.14	0.52	0.22	0.53													0.35	0.20
D1-8 Seq V Pistons	-2.05	-1.72	-0.03	-0.64	0.10		0.47	0.82									-0.44	1.09
E1-8 Seq V Pistons	-2.02	-1.01	-0.46	-0.33	0.21		0.96	1.21									-0.20	1.12
Calibration Seq V Val										0.88	0.52						0.70	0.25
Seq V Varnish									-0.24	0.43	0.15						0.11	0.34
Yi MAXIMUM	-2.05	-1.72	-0.46	-0.64	0.21		0.96	1.21	-0.24	0.88	0.52						0.70	1.12
Yi MINIMUM	0.14	0.52	-0.03	-0.33	0.10		0.47	0.82	-0.24	0.43	0.15						0.11	0.20
Yi MEAN	-1.31	-0.73	-0.09	-0.15	0.16		0.72	1.01	-0.24	0.65	0.33							
Yi STD	1.25	1.15	0.34	0.60	0.08		0.35	0.28		0.32	0.26							

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	78.3%
-3 lt yi le -2	2	8.7%	-2 < yi ≤ 2	91.3%
-2 lt yi le -1	2	8.7%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	5	21.7%	>3	0.0%
0 lt yi le 1	13	56.5%	Overall Yi STD	0.91
1 lt yi le 2	1	4.3%	Parts Rated	5
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop - Seq V Varnish

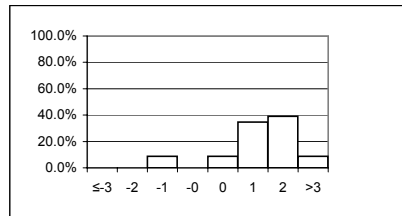
Rater = Kirkpatrick, John

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pist	1.47	1.20	1.74	1.32															1.43	0.24
D1-8 Seq V Pistons	1.27	1.17	2.28	1.89	2.07		2.12	2.86											1.95	0.59
E1-8 Seq V Pistons	1.65	2.14	2.78	3.01	2.81		3.10	2.76											2.61	0.52
Calibration Seq V Varnish									2.56	-1.19	-1.59								-0.07	2.29
Yi MAXIMUM	1.65	2.14	2.78	3.01	2.81		3.10	2.86	2.56	-1.19	-1.59								2.61	2.29
Yi MINIMUM	1.27	1.17	1.74	1.32	2.07		2.12	2.76	2.56	0.20	0.45								-0.07	0.17
Yi MEAN	1.47	1.50	2.27	2.07	2.44		2.61	2.81	2.56	-0.50	-0.57									
Yi STD	0.19	0.55	0.52	0.86	0.52		0.69	0.07		0.99	1.44									

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	8.7%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	52.2%
-2 lt yi le -1	2	8.7%	-3 < yi ≤ 3	91.3%
-1 lt yi le 0	0	0.0%	>3	8.7%
0 lt yi le 1	2	8.7%		
1 lt yi le 2	8	34.8%	Overall Yi STD	1.24
2 lt yi le 3	9	39.1%	Parts Rated	5
3 lt yi	2	8.7%		
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

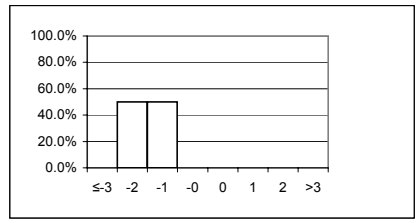
Rater = Lam, Eddie

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pis	-2.86	-2.43	-2.78	-1.93														-2.50	0.42
D1-8 Seq V Pistons																			
E1-8 Seq V Pistons																			
Calibration Seq V Val										-1.86	-1.41							-1.64	0.32
Seq V Varnish																			
Yi MAXIMUM	-2.86	-2.43	-2.78	-1.93						-1.86	-1.41							-2.50	0.42
Yi MINIMUM	-2.86	-2.43	-2.78	-1.93						-1.86	-1.41							-1.64	0.32
Yi MEAN	-2.86	-2.43	-2.78	-1.93						-1.86	-1.41								
Yi STD																			

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	3	50.0%	-1 < yi ≤ 1	0.0%
-2 lt yi le -1	3	50.0%	-2 < yi ≤ 2	50.0%
-1 lt yi le 0	0	0.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	0	0.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.57
3 lt yi	0	0.0%	Parts Rated	2
total	6	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Varnish

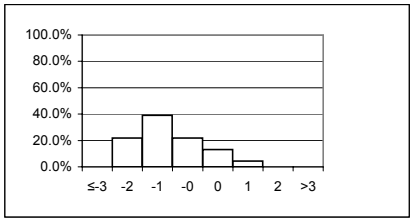
Rater = Lopez, Frank

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pist	-0.80	-1.13	-0.39	-1.02														-0.84	0.33
D1-8 Seq V Pistons	-2.11	-2.49	-1.65	-1.54	-0.56		-1.52	-1.73										-1.66	0.60
E1-8 Seq V Pistons	-2.02	-2.02	-1.39	-1.32	-0.94		-0.95	-1.68										-1.48	0.45
Calibration Seq V Val										0.95	1.18							1.06	0.16
Seq V Varnish									-2.10	0.51	0.89							-0.23	1.63
Yi MAXIMUM	-2.11	-2.49	-1.65	-1.54	-0.94		-1.52	-1.73	-2.10	0.95	1.18							-1.66	1.63
Yi MINIMUM	-0.80	-1.13	-0.39	-1.02	-0.56		-0.95	-1.68	-2.10	0.51	0.89							-0.23	0.16
Yi MEAN	-1.64	-1.88	-1.14	-1.29	-0.75		-1.24	-1.71	-2.10	0.73	1.03								
Yi STD	0.73	0.69	0.66	0.26	0.27		0.40	0.03		0.31	0.20								

Yi distribution (excluding shaded columns)

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	5	21.7%	-1 < yi ≤ 1	34.8%
-2 lt yi le -1	9	39.1%	-2 < yi ≤ 2	78.3%
-1 lt yi le 0	5	21.7%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	13.0%	>3	0.0%
1 lt yi le 2	1	4.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.04
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		



Group: Yellow

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

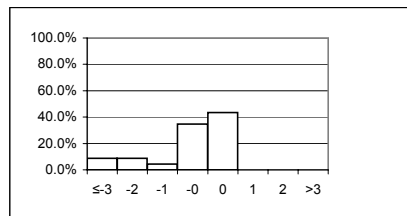
Rater = Lowsky, John

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R						MEAN	STD
Calibration Seq V Pis	-0.92	-0.86	-0.45	-0.69													-0.73	0.21
D1-8 Seq V Pistons	-1.37	-0.23	-0.06	0.06	0.48		0.67	0.49									0.01	0.69
E1-8 Seq V Pistons	-0.36	0.32	0.34	-0.25	0.60		0.91	1.00									0.37	0.53
Calibration Seq V Va										-2.35	-2.03						-2.19	0.22
Seq V Varnish									0.13	-3.54	-3.29						-2.23	2.05
Yi MAXIMUM	-1.37	-0.86	-0.45	-0.69	0.60		0.91	1.00	0.13	-3.54	-3.29						-2.23	2.05
Yi MINIMUM	-0.36	-0.23	-0.06	0.06	0.48		0.67	0.49	0.13	-2.35	-2.03						0.01	0.21
Yi MEAN	-0.88	-0.25	-0.06	-0.29	0.54		0.79	0.75	0.13	-2.94	-2.66							
Yi STD	0.51	0.59	0.40	0.38	0.08		0.17	0.36		0.84	0.89							

	count	percent		
yi le -3	2	8.7%		
-3 lt yi le -2	2	8.7%	-1 < yi ≤ 1	78.3%
-2 lt yi le -1	1	4.3%	-2 < yi ≤ 2	82.6%
-1 lt yi le 0	8	34.8%	-3 < yi ≤ 3	91.3%
0 lt yi le 1	10	43.5%	>3	8.7%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.26
3 lt yi	0	0.0%		
total	23	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Varnish

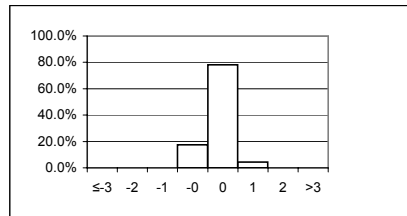
Rater = May, Marianne

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R									MEAN	STD	
Calibration Seq V Pis	0.59	0.56	0.44	0.61																0.55	0.07	
D1-8 Seq V Pistons	1.16	0.93	0.15	0.88	-0.09		-0.38	0.51												0.45	0.57	
E1-8 Seq V Pistons	0.56	0.11	-0.46	0.39	0.14		0.30	-0.09												0.14	0.33	
Calibration Seq V Val										0.28	0.81									0.54	0.38	
Seq V Varnish									0.13	0.43	0.40									0.32	0.16	
Yi MAXIMUM	1.16	0.93	-0.46	0.88	0.14		-0.38	0.51	0.13	0.43	0.81									0.55	0.57	
Yi MINIMUM	0.56	0.11	0.15	0.39	-0.09		0.30	-0.09	0.13	0.28	0.40									0.14	0.07	
Yi MEAN	0.77	0.54	0.05	0.63	0.03		-0.04	0.21	0.13	0.35	0.60											
Yi STD	0.34	0.41	0.46	0.24	0.16		0.47	0.42		0.11	0.29											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	95.7%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	17.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	18	78.3%	>3	0.0%
1 lt yi le 2	1	4.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.40
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop - Seq V Varnish

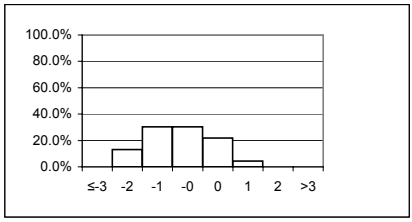
Rater = Pansza, Mike

Yi VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pils	-1.09	-0.56	0.17	-0.02														-0.37	0.57
D1-8 Seq V Pistons	0.48	-0.76	-0.28	-1.82	-2.82		-2.39	-1.35										-1.27	1.17
E1-8 Seq V Pistons	-0.53	-0.52	-1.12	-1.87	-2.34		-1.86	-1.61										-1.41	0.71
Calibration Seq V Val										0.35	0.30							0.33	0.04
Seq V Varnish									1.51	-0.17	0.31							0.55	0.87
Yi MAXIMUM	-1.09	-0.76	-1.12	-1.87	-2.82		-2.39	-1.61	1.51	0.35	0.31							-1.41	1.17
Yi MINIMUM	0.48	-0.52	0.17	-0.02	-2.34		-1.86	-1.35	1.51	-0.17	0.30							0.33	0.04
Yi MEAN	-0.38	-0.61	-0.41	-1.24	-2.58		-2.13	-1.48	1.51	0.09	0.31								
Yi STD	0.80	0.13	0.65	1.05	0.34		0.37	0.18		0.37	0.01								

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	3	13.0%	-1 < yi ≤ 1	52.2%
-2 lt yi le -1	7	30.4%	-2 < yi ≤ 2	87.0%
-1 lt yi le 0	7	30.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	21.7%	>3	0.0%
1 lt yi le 2	1	4.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.10
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

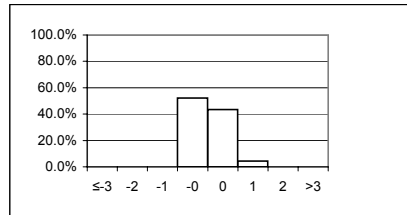
Rater = Radonich, Pete

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V P	0.46	0.31	-0.57	-0.26															-0.02	0.48
D1-8 Seq V Pistons	0.09	-0.18	-0.76	-0.53	-0.61		0.05	-0.49											-0.35	0.33
E1-8 Seq V Pistons	0.50	0.32	0.17	-0.07	-0.50		-0.50	-0.42											-0.07	0.41
Calibration Seq V Va										0.58	1.18								0.88	0.42
Seq V Varnish									-0.62	0.30	0.52								0.07	0.60
Yi MAXIMUM	0.50	0.32	-0.76	-0.53	-0.61		-0.50	-0.49	-0.62	0.58	1.18								0.88	0.60
Yi MINIMUM	0.09	-0.18	0.17	-0.07	-0.50		0.05	-0.42	-0.62	0.30	0.52								-0.02	0.33
Yi MEAN	0.35	0.15	-0.39	-0.29	-0.56		-0.23	-0.45	-0.62	0.44	0.85									
Yi STD	0.23	0.29	0.49	0.23	0.07		0.39	0.05		0.20	0.46									

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	95.7%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	12	52.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	10	43.5%	>3	0.0%
1 lt yi le 2	1	4.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.51
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

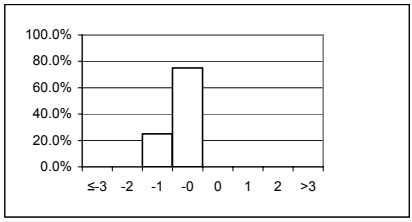
Rater = Ramirez, Manny

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pis	-0.24	-0.86	-0.58	-1.35															-0.76	0.47
D1-8 Seq V Pistons																				
E1-8 Seq V Pistons																				
Calibration Seq V Val																				
Seq V Varnish																				
Yi MAXIMUM	-0.24	-0.86	-0.58	-1.35															-0.76	0.47
Yi MINIMUM	-0.24	-0.86	-0.58	-1.35															-0.76	0.47
Yi MEAN	-0.24	-0.86	-0.58	-1.35																
Yi STD																				

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	75.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	1	25.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	3	75.0%	>3	0.0%
0 lt yi le 1	0	0.0%		
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.47
3 lt yi	0	0.0%	Parts Rated	1
total	4	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

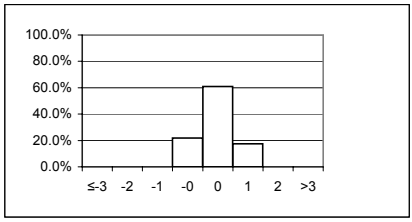
Rater = Rodriguez, Jesse

Yi VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pist	0.23	0.27	-1.00	-0.45															-0.24	0.61
D1-8 Seq V Pistons	0.43	1.17	0.18	0.34	0.44		0.31	-0.40											0.35	0.46
E1-8 Seq V Pistons	0.62	1.19	1.04	0.54	-0.01		-0.22	0.19											0.48	0.53
Calibration Seq V Varnish									0.01	0.95	1.18								1.06	0.16
Seq V Varnish									0.01	0.94	0.89								0.61	0.52
Yi MAXIMUM	0.62	1.19	1.04	0.54	0.44		0.31	-0.40	0.01	0.95	1.18								1.06	0.61
Yi MINIMUM	0.23	0.27	0.18	0.34	-0.01		-0.22	0.19	0.01	0.94	0.89								-0.24	0.16
Yi MEAN	0.43	0.88	0.07	0.14	0.21		0.04	-0.11	0.01	0.95	1.03									
Yi STD	0.19	0.53	1.02	0.53	0.31		0.38	0.42		0.01	0.20									

yi	count	percent	yi	count	percent
yi < -3	0	0.0%	-1 < yi ≤ 1	82.6%	
-3 lt yi <= -2	0	0.0%	-2 < yi ≤ 2	100.0%	
-2 lt yi <= -1	0	0.0%	-3 < yi ≤ 3	100.0%	
-1 lt yi <= 0	5	21.7%	>3	0.0%	
0 lt yi <= 1	14	60.9%			
1 lt yi <= 2	4	17.4%	Overall Yi STD	0.58	
2 lt yi <= 3	0	0.0%	Parts Rated	5	
3 lt yi	0	0.0%			
total	23	100.0%			

Yi distribution (excluding shaded columns)



Group: Red

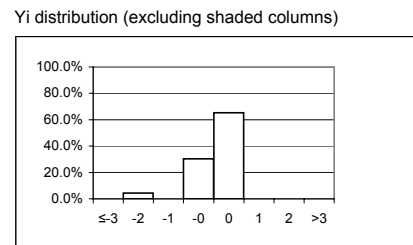
Light Duty Rating Workshop - Seq V Varnish

Rater = Sanchez, Art

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Pisotn 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pis	-0.09	0.50	0.38	-0.56															0.06	0.48
D1-8 Seq V Pistons	-0.08	0.40	-0.79	0.62	0.55		0.57	0.24											0.22	0.51
E1-8 Seq V Pistons	0.50	0.53	0.76	-0.45	0.53		0.43	-0.16											0.31	0.44
Calibration Seq V Va										-2.01	-0.83								-1.42	0.84
Seq V Varnish									0.23	0.21	0.19								0.21	0.02
Yi MAXIMUM	0.50	0.53	-0.79	0.62	0.55		0.57	0.24	0.23	-2.01	-0.83								-1.42	0.84
Yi MINIMUM	-0.08	0.40	0.38	-0.45	0.53		0.43	-0.16	0.23	0.21	0.19								0.06	0.02
Yi MEAN	0.11	0.48	0.12	-0.13	0.54		0.50	0.04	0.23	-0.90	-0.32									
Yi STD	0.34	0.07	0.81	0.65	0.01		0.10	0.29		1.57	0.72									

yi le	count	percent	yi	percent
yi le -3	0	0.0%		
-3 lt yi le -2	1	4.3%	-1 < yi ≤ 1	95.7%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	95.7%
-1 lt yi le 0	7	30.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	15	65.2%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.64
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		



Group: Red

Light Duty Rating Workshop - Seq V Varnish

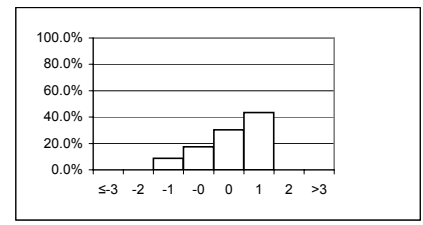
Rater = Seiz, Ray

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R								MEAN	STD
Calibration Seq V Pis	1.59	1.05	1.36	1.90															1.47	0.36
D1-8 Seq V Pistons	1.22	1.12	1.73	1.86	0.98		0.89	0.85											1.24	0.40
E1-8 Seq V Pistons	-0.87	0.22	-1.05	-0.39	-0.24		0.25	1.07											-0.15	0.73
Calibration Seq V Val										0.20	-1.01								-0.41	0.86
Seq V Varnish									1.24	-0.34	0.07								0.32	0.82
Yi MAXIMUM	1.59	1.12	1.73	1.90	0.98		0.89	1.07	1.24	-0.34	-1.01								1.47	0.86
Yi MINIMUM	-0.87	0.22	-1.05	-0.39	-0.24		0.25	0.85	1.24	0.20	0.07								-0.15	0.36
Yi MEAN	0.64	0.80	0.68	1.12	0.37		0.57	0.96	1.24	-0.07	-0.47									
Yi STD	1.33	0.50	1.51	1.31	0.87		0.46	0.16		0.38	0.76									

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	47.8%
-2 lt yi le -1	2	8.7%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	17.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	7	30.4%	>3	0.0%
1 lt yi le 2	10	43.5%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.92
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Varnish

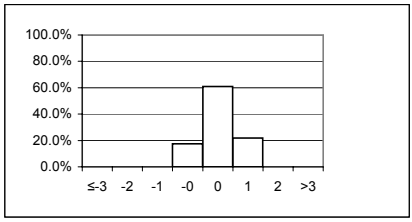
Rater = Tschirhart, Garland

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pis	0.04	1.20	0.69	1.04														0.74	0.51
D1-8 Seq V Pistons	0.93	0.69	1.37	-0.08	-0.30		0.31	0.35										0.47	0.58
E1-8 Seq V Pistons	1.08	1.09	0.87	0.98	0.86		-0.30	-0.10										0.64	0.58
Calibration Seq V Va										0.58	0.08							0.33	0.35
Seq V Varnish									0.26	0.51	0.48							0.42	0.14
Yi MAXIMUM	1.08	1.20	1.37	1.04	0.86		0.31	0.35	0.26	0.58	0.48							0.74	0.58
Yi MINIMUM	0.04	0.69	0.69	-0.08	-0.30		-0.30	-0.10	0.26	0.51	0.08							0.33	0.14
Yi MEAN	0.68	0.99	0.97	0.65	0.28		0.00	0.12	0.26	0.54	0.28								
Yi STD	0.56	0.27	0.35	0.63	0.82		0.43	0.32		0.05	0.28								

yi le -3	count	percent		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	78.3%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	17.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	14	60.9%	>3	0.0%
1 lt yi le 2	5	21.7%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.50
3 lt yi	0	0.0%	Parts Rated	5
total	23	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Varnish

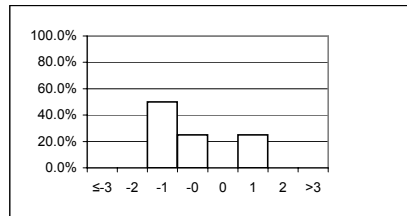
Rater = Tuchsén, Richard

YI VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R							MEAN	STD
Calibration Seq V Pist	-0.86	1.41	-1.88	-1.85														-0.79	1.55
D1-8 Seq V Pistons																			
E1-8 Seq V Pistons																			
Calibration Seq V Val																			
Seq V Varnish																			
Yi MAXIMUM	-0.86	1.41	-1.88	-1.85														-0.79	1.55
Yi MINIMUM	-0.86	1.41	-1.88	-1.85														-0.79	1.55
Yi MEAN	-0.86	1.41	-1.88	-1.85															
Yi STD																			

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	25.0%
-2 lt yi le -1	2	50.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	1	25.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	0	0.0%	>3	0.0%
1 lt yi le 2	1	25.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.55
3 lt yi	0	0.0%		
total	4	100.0%	Parts Rated	1

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Varnish

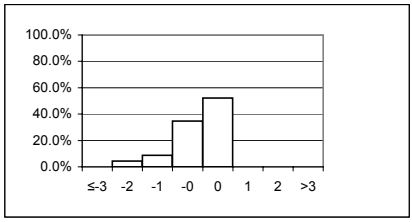
Rater = Viera, Ralph

Yi VALUES

	Piston 1	Piston 2	Piston 3	Piston 4	Piston 5	Piston 6	Piston 7	Piston 8	Piston Skirt (Set D)	Rocker Cover Baffle L	Rocker Cover Baffle R						MEAN	STD
Calibration Seq V Pis	0.36	0.76	0.30	0.41													0.46	0.20
D1-8 Seq V Pistons	-0.64	-0.23	-0.52	0.04	0.63		0.63	0.24									0.02	0.51
E1-8 Seq V Pistons	-0.93	-2.26	-0.18	0.16	-0.50		0.65	0.06									-0.43	0.95
Calibration Seq V Val										-0.92	-1.01						-0.97	0.06
Seq V Varnish									0.13	-0.55	-1.01						-0.48	0.57
Yi MAXIMUM	-0.93	-2.26	-0.52	0.41	0.63		0.65	0.24	0.13	-0.92	-1.01						-0.97	0.95
Yi MINIMUM	0.36	-0.23	-0.18	0.04	-0.50		0.63	0.06	0.13	-0.55	-1.01						0.02	0.06
Yi MEAN	-0.40	-0.58	-0.13	0.20	0.06		0.64	0.15	0.13	-0.74	-1.01							
Yi STD	0.68	1.54	0.41	0.19	0.80		0.02	0.13		0.26	0.00							























	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	4.3%	-1 < yi ≤ 1	87.0%
-2 lt yi le -1	2	8.7%	-2 < yi ≤ 2	95.7%
-1 lt yi le 0	8	34.8%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	12	52.2%	>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	23	100.0%	Parts Rated	5

Yi distribution (excluding shaded columns)



Group: Red

Light Duty Rating Workshop - Seq V Sludge

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	2	100.0%	100.0%	100.0%	0.0%	0.43	Blue	
Avis, Steve	1	77.8%	100.0%	100.0%	0.0%	0.72	White	
Barrera, Tony	2	100.0%	100.0%	100.0%	0.0%	0.39	Blue	
Cales, Jonathon	2	81.8%	100.0%	100.0%	0.0%	0.44	Red	
Caproni, David	2	81.8%	100.0%	100.0%	0.0%	0.85	Red	
Castillo, George	2	100.0%	100.0%	100.0%	0.0%	0.43	Blue	
Foecking, Brian	2	63.6%	90.9%	100.0%	0.0%	1.03	White	
Garcia, Orlando	2	90.9%	100.0%	100.0%	0.0%	0.74	Blue	
Kirkpatrick, John	2	36.4%	72.7%	90.9%	9.1%	1.86	Yellow	
Kobrinetz, Jack	2	63.6%	100.0%	100.0%	0.0%	0.92	White	
Lam, Eddie	1	50.0%	50.0%	100.0%	0.0%	1.77	Yellow	
Lopez, Frank	2	63.6%	90.9%	100.0%	0.0%	1.19	White	
Lowsky, John	2	45.5%	90.9%	100.0%	0.0%	1.13	Yellow	
May, Marianne	2	81.8%	100.0%	100.0%	0.0%	0.76	Red	
Pansza, Mike	2	63.6%	90.9%	100.0%	0.0%	0.80	White	
Radonich, Pete	2	100.0%	100.0%	100.0%	0.0%	0.48	Blue	
Rodriguez, Jesse	2	81.8%	100.0%	100.0%	0.0%	0.78	Red	
Sanchez, Art	2	72.7%	100.0%	100.0%	0.0%	0.69	White	
Seiz, Ray	2	63.6%	90.9%	100.0%	0.0%	1.17	White	
Shoda, Ron	2	72.7%	90.9%	100.0%	0.0%	1.00	White	
Tschirhart, Garland	2	54.5%	90.9%	100.0%	0.0%	1.11	Yellow	
Viera, Ralph	2	54.5%	81.8%	100.0%	0.0%	1.19	Yellow	

Group Criteria

	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 Totals	
White	0	60%	90%	1.20	8	36%
Red	0	80%	95%	0.85	4	18%
Blue	0	85%	98%	0.75	5	23%
Yellow	-	-	-	-	5	23%

*The available sample of sludge parts is small. This should be considered when evaluating this sludge data.

Light Duty Rating Workshop - Seq V Sludge

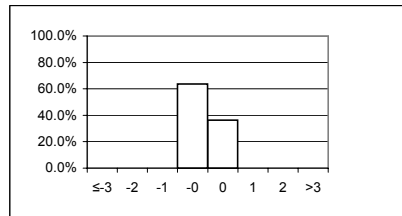
Rater = Adams, Pat

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
Calibration Seq V Slu			-0.74	-0.59															-0.67	0.11
Seq_V_Sludge	0.90	-0.13	-0.06	-0.34	0.14	0.15	0.01	-0.31	-0.13										0.03	0.37
Yi MAXIMUM	0.90	-0.13	-0.74	-0.59	0.14	0.15	0.01	-0.31	-0.13										-0.67	0.37
Yi MINIMUM	0.90	-0.13	-0.06	-0.34	0.14	0.15	0.01	-0.31	-0.13										0.03	0.11
Yi MEAN	0.90	-0.13	-0.40	-0.46	0.14	0.15	0.01	-0.31	-0.13											
Yi STD			0.48	0.18																

	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	7	63.6%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	36.4%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.43
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

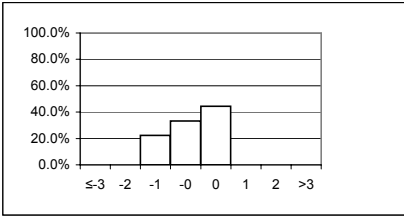
Rater = Avis, Steve

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
Calibration Seq V Slu																	
Seq_V_Sludge	-1.40	0.66	-0.70	-0.53	-1.07	0.39	0.01	-0.56	0.43							-0.31	0.72
Yi MAXIMUM	-1.40	0.66	-0.70	-0.53	-1.07	0.39	0.01	-0.56	0.43							-0.31	0.72
Yi MINIMUM	-1.40	0.66	-0.70	-0.53	-1.07	0.39	0.01	-0.56	0.43							-0.31	0.72
Yi MEAN	-1.40	0.66	-0.70	-0.53	-1.07	0.39	0.01	-0.56	0.43								
Yi STD																	

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	77.8%
-2 lt yi le -1	2	22.2%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	3	33.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	44.4%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.72
3 lt yi	0	0.0%		
total	9	100.0%	Parts Rated	1

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop - Seq V Sludge

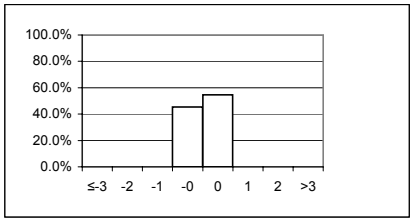
Rater = Barrera, Tony

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
Calibration Seq_V_Slu			-0.14	0.72														0.29	0.61
Seq_V_Sludge	0.81	-0.37	-0.09	-0.06	-0.12	0.57	0.01	0.26	0.15									0.13	0.37
Yi MAXIMUM	0.81	-0.37	-0.14	0.72	-0.12	0.57	0.01	0.26	0.15									0.29	0.61
Yi MINIMUM	0.81	-0.37	-0.09	-0.06	-0.12	0.57	0.01	0.26	0.15									0.13	0.37
Yi MEAN	0.81	-0.37	-0.11	0.33	-0.12	0.57	0.01	0.26	0.15										
Yi STD			0.03	0.55															

	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	5	45.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	6	54.5%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.39
3 lt yi	0	0.0%		
total	11	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Rating Workshop - Seq V Sludge

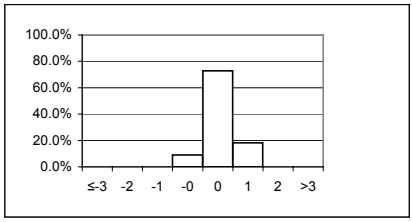
Rater = Cales, Jonathon

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
Calibration Seq V Slu			1.38	1.14																1.26	0.17
Seq V Sludge	0.27	0.11	0.16	-0.06	0.45	0.27	0.29	0.24	0.59											0.26	0.19
Yi MAXIMUM	0.27	0.11	1.38	1.14	0.45	0.27	0.29	0.24	0.59											1.26	0.19
Yi MINIMUM	0.27	0.11	0.16	-0.06	0.45	0.27	0.29	0.24	0.59											0.26	0.17
Yi MEAN	0.27	0.11	0.77	0.54	0.45	0.27	0.29	0.24	0.59												
Yi STD			0.86	0.84																	

	count	percent		
	0	0.0%		
	0	0.0%	-1 < yi ≤ 1	81.8%
	0	0.0%	-2 < yi ≤ 2	100.0%
	1	9.1%	-3 < yi ≤ 3	100.0%
	8	72.7%	>3	0.0%
	2	18.2%	Overall Yi STD	0.44
	0	0.0%	Parts Rated	2
	0	0.0%		
	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Red

Light Duty Rating Workshop - Seq V Sludge

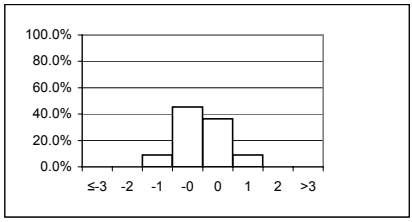
Rater = Caproni, David

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	
Calibration Seq_V_Slu			-0.27	-0.31																-0.29	0.03	
Seq_V_Sludge	-0.27	-1.96	0.24	-0.53	0.45	1.16	0.84	0.33	-0.75											-0.05	0.94	
Yi MAXIMUM	-0.27	-1.96	-0.27	-0.53	0.45	1.16	0.84	0.33	-0.75											-0.29	0.94	
Yi MINIMUM	-0.27	-1.96	0.24	-0.31	0.45	1.16	0.84	0.33	-0.75											-0.05	0.03	
Yi MEAN	-0.27	-1.96	-0.01	-0.42	0.45	1.16	0.84	0.33	-0.75													
Yi STD			0.36	0.15																		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	81.8%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	45.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	36.4%	>3	0.0%
1 lt yi le 2	1	9.1%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.85
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Red

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

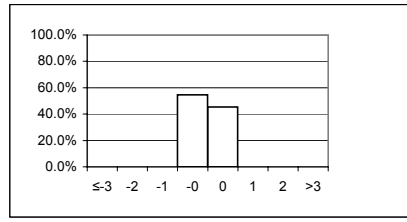
Rater = Castillo, George

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	
Calibration Seq_V_Slu			-0.18	0.52																	0.17	0.49	
Seq_V_Sludge	-0.27	-0.61	0.43	-0.06	0.24	-0.03	0.84	-0.17	0.55												0.10	0.45	
Yi MAXIMUM	-0.27	-0.61	0.43	0.52	0.24	-0.03	0.84	-0.17	0.55												0.17	0.49	
Yi MINIMUM	-0.27	-0.61	-0.18	-0.06	0.24	-0.03	0.84	-0.17	0.55												0.10	0.45	
Yi MEAN	-0.27	-0.61	0.13	0.23	0.24	-0.03	0.84	-0.17	0.55														
Yi STD			0.43	0.41																			

	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	6	54.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	45.5%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.43
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

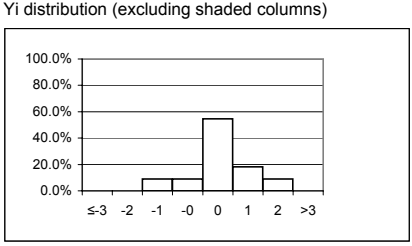
Light Duty Rating Workshop - Seq V Sludge

Rater = Foecking, Brian

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
Calibration Seq_V_Slu			0.73	-0.66																				0.03	0.98
Seq_V_Sludge	2.10	1.61	1.04	-1.65	0.40	0.68	0.75	0.22	0.03															0.58	1.06
Yi MAXIMUM	2.10	1.61	1.04	-1.65	0.40	0.68	0.75	0.22	0.03															0.58	1.06
Yi MINIMUM	2.10	1.61	0.73	-0.66	0.40	0.68	0.75	0.22	0.03															0.03	0.98
Yi MEAN	2.10	1.61	0.88	-1.15	0.40	0.68	0.75	0.22	0.03																
Yi STD			0.22	0.70																					

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	63.6%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	90.9%
-2 lt yi le -1	1	9.1%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	1	9.1%	>3	0.0%
0 lt yi le 1	6	54.5%		
1 lt yi le 2	2	18.2%	Overall Yi STD	1.03
2 lt yi le 3	1	9.1%	Parts Rated	2
3 lt yi	0	0.0%		
total	11	100.0%		



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

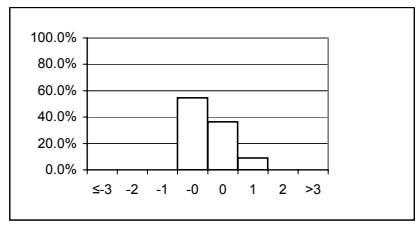
Rater = Garcia, Orlando

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	
Calibration Seq_V_Slu			-0.01	-0.45																			-0.23	0.31	
Seq_V_Sludge	0.85	-0.77	0.96	-0.81	0.12	0.80	1.21	-0.31	-0.56														0.17	0.80	
Yi MAXIMUM	0.85	-0.77	0.96	-0.81	0.12	0.80	1.21	-0.31	-0.56														-0.23	0.80	
Yi MINIMUM	0.85	-0.77	-0.01	-0.45	0.12	0.80	1.21	-0.31	-0.56														0.17	0.31	
Yi MEAN	0.85	-0.77	0.48	-0.63	0.12	0.80	1.21	-0.31	-0.56																
Yi STD			0.68	0.25																					

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	90.9%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	6	54.5%	>3	0.0%
0 lt yi le 1	4	36.4%		
1 lt yi le 2	1	9.1%	Overall Yi STD	0.74
2 lt yi le 3	0	0.0%	Parts Rated	2
3 lt yi	0	0.0%		
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

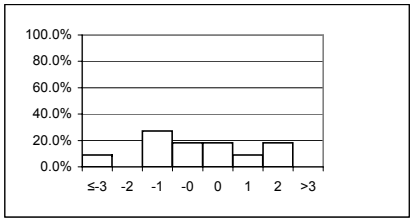
Rater = Kirkpatrick, John

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
Calibration Seq_V_Slu			0.16	2.10															1.13	1.37
Seq_V_Sludge	-0.56	0.58	2.59	-0.06	1.04	-1.98	-1.91	-1.99	-3.33										-0.62	1.86
Yi MAXIMUM	-0.56	0.58	2.59	2.10	1.04	-1.98	-1.91	-1.99	-3.33										1.13	1.86
Yi MINIMUM	-0.56	0.58	0.16	-0.06	1.04	-1.98	-1.91	-1.99	-3.33										-0.62	1.37
Yi MEAN	-0.56	0.58	1.38	1.02	1.04	-1.98	-1.91	-1.99	-3.33											
Yi STD			1.71	1.53																

yi le -3	count	percent		
-3 lt yi le -2	1	9.1%		
-2 lt yi le -1	0	0.0%	-1 < yi ≤ 1	36.4%
-1 lt yi le 0	3	27.3%	-2 < yi ≤ 2	72.7%
0 lt yi le 1	2	18.2%	-3 < yi ≤ 3	90.9%
1 lt yi le 2	2	18.2%	> 3	9.1%
2 lt yi le 3	1	9.1%		
3 lt yi	2	18.2%	Overall Yi STD	1.86
total	0	0.0%	Parts Rated	2
	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Sludge

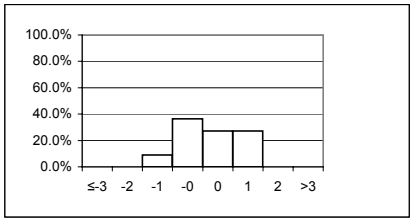
Rater = Kobrinetz, Jack

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	
Calibration Seq V Slu			1.50	-1.62																				-0.06	2.21
Seq_V_Sludge	-0.31	-0.37	0.90	0.04	0.99	1.16	1.11	-0.11	0.00															0.38	0.65
Yi MAXIMUM	-0.31	-0.37	1.50	-1.62	0.99	1.16	1.11	-0.11	0.00														0.38	2.21	
Yi MINIMUM	-0.31	-0.37	0.90	0.04	0.99	1.16	1.11	-0.11	0.00														-0.06	0.65	
Yi MEAN	-0.31	-0.37	1.20	-0.79	0.99	1.16	1.11	-0.11	0.00																
Yi STD			0.43	1.17																					

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	63.6%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	36.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	27.3%	>3	0.0%
1 lt yi le 2	3	27.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.92
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop - Seq V Sludge

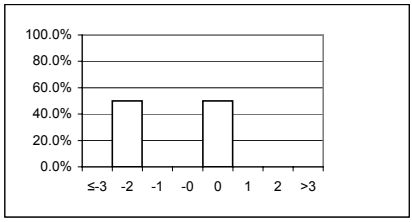
Rater = Lam, Eddie

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	
Calibration Seq_V_Slu			-2.13	0.38																-0.87	1.77	
Seq_V_Sludge																						
Yi MAXIMUM			-2.13	0.38																	-0.87	1.77
Yi MINIMUM			-2.13	0.38																	-0.87	1.77
Yi MEAN			-2.13	0.38																		
Yi STD																						

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	50.0%	-1 < yi ≤ 1	50.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	50.0%
-1 lt yi le 0	0	0.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	1	50.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.77
3 lt yi	0	0.0%	Parts Rated	1
total	2	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Sludge

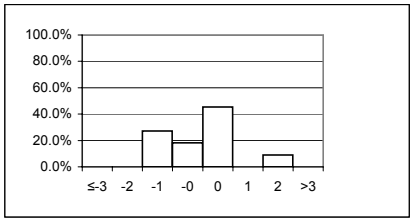
Rater = Lopez, Frank

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	
Calibration Seq V Slu			2.24	0.72																1.48	1.07	
Seq V Sludge	-1.27	0.50	-1.31	0.22	-1.97	-0.79	0.38	-0.29	0.49											-0.45	0.92	
Yi MAXIMUM	-1.27	0.50	2.24	0.72	-1.97	-0.79	0.38	-0.29	0.49											1.48	1.07	
Yi MINIMUM	-1.27	0.50	-1.31	0.22	-1.97	-0.79	0.38	-0.29	0.49												-0.45	0.92
Yi MEAN	-1.27	0.50	0.47	0.47	-1.97	-0.79	0.38	-0.29	0.49													
Yi STD			2.51	0.35																		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	63.6%
-2 lt yi le -1	3	27.3%	-2 < yi ≤ 2	90.9%
-1 lt yi le 0	2	18.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	45.5%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	1	9.1%	Overall Yi STD	1.19
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

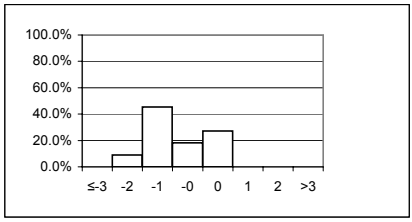
Rater = Lowsky, John

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
Calibration Seq_V_Slu			0.77	-1.07															-0.15	1.30
Seq_V_Sludge	0.48	0.90	-1.86	-1.37	-2.31	-1.98	-0.26	-0.91	-1.37										-0.96	1.12
Yi MAXIMUM	0.48	0.90	-1.86	-1.37	-2.31	-1.98	-0.26	-0.91	-1.37										-0.96	1.30
Yi MINIMUM	0.48	0.90	0.77	-1.07	-2.31	-1.98	-0.26	-0.91	-1.37										-0.15	1.12
Yi MEAN	0.48	0.90	-0.54	-1.22	-2.31	-1.98	-0.26	-0.91	-1.37											
Yi STD			1.86	0.21																

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	9.1%	-1 < yi ≤ 1	45.5%
-2 lt yi le -1	5	45.5%	-2 < yi ≤ 2	90.9%
-1 lt yi le 0	2	18.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	27.3%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.13
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Sludge

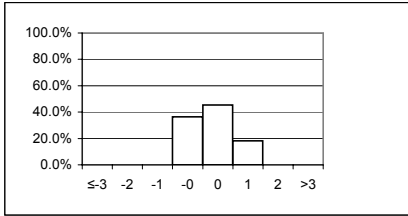
Rater = May, Marianne

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	
Calibration Seq_V_Slu			0.21	-0.79																-0.29	0.71	
Seq_V_Sludge	0.31	-0.53	-0.39	-0.71	1.48	1.10	0.93	0.00	0.18											0.26	0.77	
Yi MAXIMUM	0.31	-0.53	-0.39	-0.79	1.48	1.10	0.93	0.00	0.18											-0.29	0.77	
Yi MINIMUM	0.31	-0.53	0.21	-0.71	1.48	1.10	0.93	0.00	0.18											0.26	0.71	
Yi MEAN	0.31	-0.53	-0.09	-0.75	1.48	1.10	0.93	0.00	0.18													
Yi STD			0.43	0.06																		

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%		
-2 lt yi le -1	0	0.0%	-1 < yi ≤ 1	81.8%
-1 lt yi le 0	4	36.4%	-2 < yi ≤ 2	100.0%
0 lt yi le 1	5	45.5%	-3 < yi ≤ 3	100.0%
1 lt yi le 2	2	18.2%	>3	0.0%
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%	Overall Yi STD	0.76
total	11	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Red

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

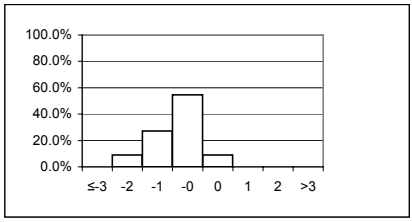
Rater = Pansza, Mike

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	
Calibration Seq_V_Slu			-0.35	-0.52																		-0.44	0.12
Seq_V_Sludge	-1.02	-1.88	-0.67	-0.43	-0.43	-2.04	-0.17	-1.10	0.87													-0.76	0.89
Yi MAXIMUM	-1.02	-1.88	-0.67	-0.52	-0.43	-2.04	-0.17	-1.10	0.87													-0.76	0.89
Yi MINIMUM	-1.02	-1.88	-0.35	-0.43	-0.43	-2.04	-0.17	-1.10	0.87													-0.44	0.12
Yi MEAN	-1.02	-1.88	-0.51	-0.48	-0.43	-2.04	-0.17	-1.10	0.87														
Yi STD			0.22	0.06																			

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	63.6%
-3 lt yi le -2	1	9.1%	-2 < yi ≤ 2	90.9%
-2 lt yi le -1	3	27.3%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	6	54.5%	>3	0.0%
0 lt yi le 1	1	9.1%		
1 lt yi le 2	0	0.0%	Overall Yi STD	0.80
2 lt yi le 3	0	0.0%	Parts Rated	2
3 lt yi	0	0.0%		
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

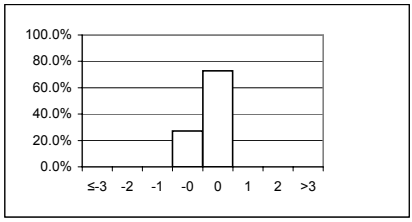
Rater = Radonich, Pete

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	
Calibration Seq_V_Slu			0.12	0.24																0.18	0.08	
Seq_V_Sludge	0.98	0.03	0.07	-0.53	-0.37	0.27	0.93	0.02	-0.35											0.12	0.54	
Yi MAXIMUM	0.98	0.03	0.12	-0.53	-0.37	0.27	0.93	0.02	-0.35											0.18	0.54	
Yi MINIMUM	0.98	0.03	0.07	0.24	-0.37	0.27	0.93	0.02	-0.35											0.12	0.08	
Yi MEAN	0.98	0.03	0.10	-0.14	-0.37	0.27	0.93	0.02	-0.35													
Yi STD			0.03	0.54																		

	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	3	27.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	8	72.7%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.48
3 lt yi	0	0.0%		
total	11	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

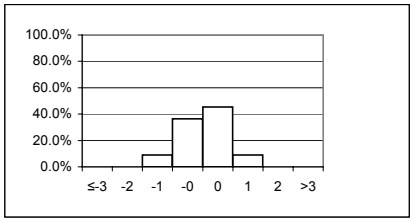
Rater = Rodriguez, Jesse

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
Calibration Seq_V_Slu			-0.22	-1.21														-0.72	0.70
Seq_V_Sludge	-0.36	0.66	-0.15	0.41	-0.37	0.51	0.29	1.81	0.74									0.39	0.68
Yi MAXIMUM	-0.36	0.66	-0.22	-1.21	-0.37	0.51	0.29	1.81	0.74									-0.72	0.70
Yi MINIMUM	-0.36	0.66	-0.15	0.41	-0.37	0.51	0.29	1.81	0.74									0.39	0.68
Yi MEAN	-0.36	0.66	-0.19	-0.40	-0.37	0.51	0.29	1.81	0.74										
Yi STD			0.06	1.14															

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%		
-2 lt yi le -1	1	9.1%	-1 < yi ≤ 1	81.8%
-1 lt yi le 0	4	36.4%	-2 < yi ≤ 2	100.0%
0 lt yi le 1	5	45.5%	-3 < yi ≤ 3	100.0%
1 lt yi le 2	1	9.1%	>3	0.0%
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	11	100.0%	Overall Yi STD	0.78
			Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Red

Light Duty Rating Workshop - Seq V Sludge

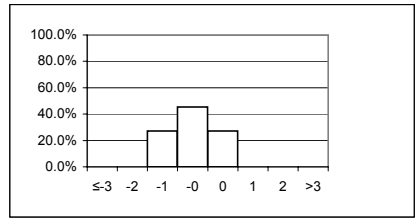
Rater = Sanchez, Art

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
Calibration Seq_V_Slu			0.29	-0.66														-0.18	0.67
Seq_V_Sludge	-1.02	-0.69	-0.26	-0.53	-1.02	-0.14	-1.91	0.18	0.43									-0.55	0.71
Yi MAXIMUM	-1.02	-0.69	0.29	-0.66	-1.02	-0.14	-1.91	0.18	0.43									-0.55	0.71
Yi MINIMUM	-1.02	-0.69	-0.26	-0.53	-1.02	-0.14	-1.91	0.18	0.43									-0.18	0.67
Yi MEAN	-1.02	-0.69	0.02	-0.59	-1.02	-0.14	-1.91	0.18	0.43										
Yi STD			0.39	0.09															

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%		
-2 lt yi le -1	3	27.3%	-1 < yi ≤ 1	72.7%
-1 lt yi le 0	5	45.5%	-2 < yi ≤ 2	100.0%
0 lt yi le 1	3	27.3%	-3 < yi ≤ 3	100.0%
1 lt yi le 2	0	0.0%	>3	0.0%
2 lt yi le 3	0	0.0%	Overall Yi STD	0.69
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

Light Duty Rating Workshop - Seq V Sludge

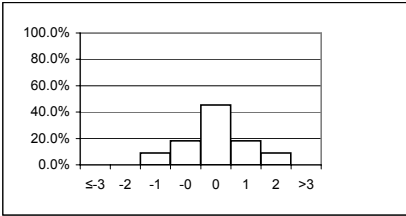
Rater = Seiz, Ray

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	
Calibration Seq_V_Slu			-1.52	-0.52																	-1.02	0.71	
Seq_V_Sludge	0.52	0.90	0.90	1.81	1.53	0.45	-0.35	2.70	0.99												1.05	0.88	
Yi MAXIMUM	0.52	0.90	-1.52	1.81	1.53	0.45	-0.35	2.70	0.99												1.05	0.88	
Yi MINIMUM	0.52	0.90	0.90	-0.52	1.53	0.45	-0.35	2.70	0.99												-1.02	0.71	
Yi MEAN	0.52	0.90	-0.31	0.65	1.53	0.45	-0.35	2.70	0.99														
Yi STD			1.71	1.65																			

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	63.6%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	90.9%
-1 lt yi le 0	2	18.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	45.5%	>3	0.0%
1 lt yi le 2	2	18.2%		
2 lt yi le 3	1	9.1%	Overall Yi STD	1.17
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

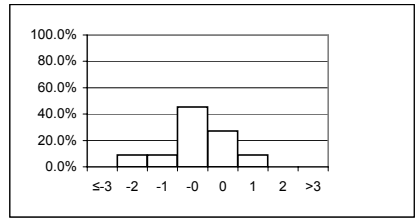
Rater = Shoda, Ron

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
Calibration Seq_V_Slu			-0.27	0.03															-0.12	0.21
Seq_V_Sludge	0.60	-1.24	-0.89	1.34	0.53	-0.79	-2.28	-0.56	-0.81										-0.46	1.10
Yi MAXIMUM	0.60	-1.24	-0.89	1.34	0.53	-0.79	-2.28	-0.56	-0.81										-0.46	1.10
Yi MINIMUM	0.60	-1.24	-0.27	0.03	0.53	-0.79	-2.28	-0.56	-0.81										-0.12	0.21
Yi MEAN	0.60	-1.24	-0.58	0.69	0.53	-0.79	-2.28	-0.56	-0.81											
Yi STD			0.44	0.93																

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	9.1%	-1 < yi ≤ 1	72.7%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	90.9%
-1 lt yi le 0	5	45.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	27.3%	>3	0.0%
1 lt yi le 2	1	9.1%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.00
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Rating Workshop - Seq V Sludge

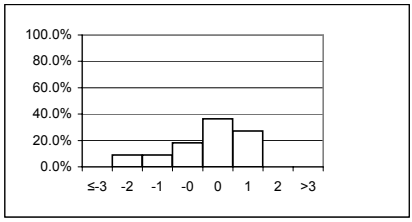
Rater = Tschirhart, Garland

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
Calibration Seq_V_Slu			-1.31	0.38														-0.46	1.19
Seq_V_Sludge	-2.11	1.14	0.49	1.53	-0.37	0.68	0.01	-0.75	1.05									0.19	1.13
Yi MAXIMUM	-2.11	1.14	-1.31	1.53	-0.37	0.68	0.01	-0.75	1.05									-0.46	1.19
Yi MINIMUM	-2.11	1.14	0.49	0.38	-0.37	0.68	0.01	-0.75	1.05									0.19	1.13
Yi MEAN	-2.11	1.14	-0.41	0.95	-0.37	0.68	0.01	-0.75	1.05										
Yi STD			1.27	0.82															

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	9.1%	-1 < yi ≤ 1	54.5%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	90.9%
-1 lt yi le 0	2	18.2%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	36.4%	>3	0.0%
1 lt yi le 2	3	27.3%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.11
3 lt yi	0	0.0%	Parts Rated	2
total	11	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Rating Workshop - Seq V Sludge

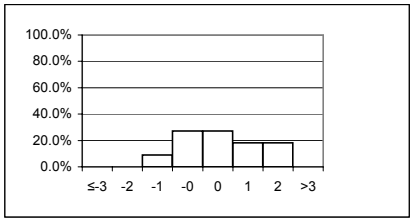
Rater = Viera, Ralph

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
Calibration Seq_V_Slu			-0.27	2.17															0.95	1.72
Seq_V_Sludge	0.77	1.45	-1.42	2.28	0.66	-0.44	-0.72	1.28	0.80										0.52	1.17
Yi MAXIMUM	0.77	1.45	-1.42	2.28	0.66	-0.44	-0.72	1.28	0.80										0.95	1.72
Yi MINIMUM	0.77	1.45	-0.27	2.17	0.66	-0.44	-0.72	1.28	0.80										0.52	1.17
Yi MEAN	0.77	1.45	-0.84	2.23	0.66	-0.44	-0.72	1.28	0.80											
Yi STD			0.81	0.08																

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	54.5%
-2 lt yi le -1	1	9.1%	-2 < yi ≤ 2	81.8%
-1 lt yi le 0	3	27.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	27.3%	>3	0.0%
1 lt yi le 2	2	18.2%		
2 lt yi le 3	2	18.2%	Overall Yi STD	1.19
3 lt yi	0	0.0%		
total	11	100.0%	Parts Rated	2

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	4	40.6%	100.0%	100.0%	0.0%	1.17	Yellow	Yellow
Avis, Steve	4	90.6%	96.9%	100.0%	0.0%	0.72	Red	Red
Barrera, Tony	4	90.6%	100.0%	100.0%	0.0%	0.55	Blue	Blue
Castillo, George	4	59.4%	100.0%	100.0%	0.0%	0.86	Yellow	Yellow
Foecking, Brian	4	90.6%	100.0%	100.0%	0.0%	0.66	Blue	Blue
Garcia, Orlando	4	84.4%	100.0%	100.0%	0.0%	0.60	Red	Red
Kirkpatrick, John	4	28.1%	93.8%	100.0%	0.0%	0.61	Yellow	Yellow
Kobrinetz, Jack	4	84.4%	100.0%	100.0%	0.0%	0.72	Red	Red
Lam, Eddie	4	50.0%	100.0%	100.0%	0.0%	0.61	Yellow	Yellow
Lopez, Frank	4	43.8%	75.0%	87.5%	12.5%	1.10	Yellow	Yellow
Lowsky, John	4	71.9%	100.0%	100.0%	0.0%	0.79	White	White
Pansza, Mike	4	96.9%	100.0%	100.0%	0.0%	0.45	Blue	Blue
Radonich, Pete	4	87.5%	100.0%	100.0%	0.0%	0.63	Blue	Blue
Rodriguez, Jesse	4	75.0%	100.0%	100.0%	0.0%	0.76	White	White
Sanchez, Art	4	87.5%	100.0%	100.0%	0.0%	0.65	Blue	Blue
Seiz, Ray	4	40.6%	96.9%	100.0%	0.0%	0.40	Yellow	Yellow
Shoda, Ron	4	40.6%	96.9%	100.0%	0.0%	0.42	Yellow	Yellow
Terrado, Teresa	4	40.6%	93.8%	100.0%	0.0%	1.14	Yellow	Yellow
Tschirhart, Garland	4	78.1%	100.0%	100.0%	0.0%	0.63	White	White
Tuchsen, Richard	4	62.5%	87.5%	100.0%	0.0%	1.06	Yellow	Yellow
Viera, Ralph	4	90.6%	100.0%	100.0%	0.0%	0.54	Blue	Blue

Group Criteria

	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 Totals	
White	0	60%	90%	1.20	3	14%
Red	0	80%	95%	0.85	3	14%
Blue	0	85%	98%	0.75	6	29%
Yellow	-	-	-	-	9	43%

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

Rater = Adams, Pat

Yi VALUES

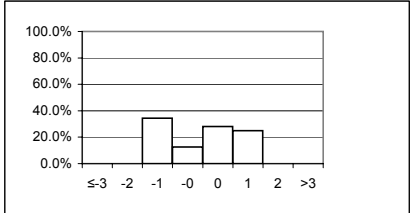
	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	-1.70	-1.39	0.70	1.01	0.31	-1.34	-0.34	1.04										-0.21	1.14
G_Valve_Set	-1.61	-1.46	0.95	1.41	0.51	-1.51	-1.16	1.43										-0.18	1.38
H_Valve_Set	-0.13	-1.79	0.93	1.62	-0.08	-1.03	0.79	1.07										0.17	1.15
I_Valve_Set	-0.82	-1.32	0.68	0.22	1.89	-1.43	0.03	1.25										0.06	1.20
Yi MAXIMUM	-1.70	-1.79	0.95	1.62	1.89	-1.51	-1.16	1.43										-0.21	1.38
Yi MINIMUM	-0.13	-1.32	0.68	0.22	-0.08	-1.03	0.03	1.04										0.06	1.14
Yi MEAN	-1.07	-1.49	0.82	1.07	0.66	-1.33	-0.17	1.20											
Yi STD	0.74	0.21	0.15	0.62	0.86	0.21	0.81	0.18											

yi le	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%		
-2 lt yi le -1	11	34.4%		
-1 lt yi le 0	4	12.5%		
0 lt yi le 1	9	28.1%		
1 lt yi le 2	8	25.0%		
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	32	100.0%		

-1 < yi ≤ 1	40.6%
-2 < yi ≤ 2	100.0%
-3 < yi ≤ 3	100.0%
>3	0.0%

Overall Yi STD	1.17
Parts Rated	4

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Valves

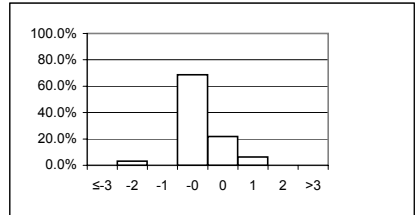
Rater = Avis, Steve

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8											MEAN	STD
F_Valve_Set	0.49	-0.80	1.05	-0.39	-0.16	-0.77	-0.34	-0.63											-0.19	0.65
G_Valve_Set	0.35	-0.88	-2.62	-0.11	-0.35	-0.38	-0.36	0.15											-0.53	0.93
H_Valve_Set	0.48	-0.76	-0.09	-0.65	-0.08	-0.59	-0.77	0.50											-0.25	0.53
I_Valve_Set	0.47	-0.65	-0.48	-0.68	1.54	-0.04	-0.69	0.13											-0.05	0.77
Yi MAXIMUM	0.49	-0.88	-2.62	-0.68	1.54	-0.77	-0.77	-0.63											-0.53	0.93
Yi MINIMUM	0.35	-0.65	-0.09	-0.11	-0.08	-0.04	-0.34	0.13											-0.05	0.53
Yi MEAN	0.45	-0.78	-0.53	-0.46	0.24	-0.45	-0.54	0.04												
Yi STD	0.07	0.10	1.54	0.27	0.88	0.31	0.22	0.48												

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	90.6%
-3 lt yi le -2	1	3.1%	-2 < yi ≤ 2	96.9%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	22	68.8%	>3	0.0%
0 lt yi le 1	7	21.9%		
1 lt yi le 2	2	6.3%	Overall Yi STD	0.72
2 lt yi le 3	0	0.0%	Parts Rated	4
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Red

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

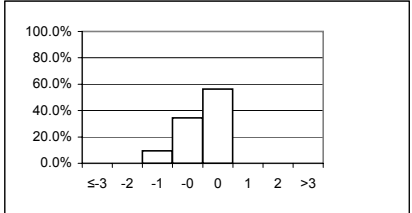
Rater = Barrera, Tony

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	-0.27	-0.01	-1.07	0.12	-0.58	-0.20	0.51	-1.22										-0.34	0.59
G_Valve_Set	0.09	-0.11	0.72	0.70	0.51	-0.01	0.17	0.52										0.32	0.33
H_Valve_Set	0.15	-0.15	0.60	0.69	-0.08	0.00	0.53	0.55										0.29	0.34
I_Valve_Set	-0.31	0.01	0.68	0.89	-1.05	0.13	-0.55	0.76										0.07	0.69
Yi MAXIMUM	-0.31	-0.15	-1.07	0.89	-1.05	-0.20	-0.55	-1.22										-0.34	0.69
Yi MINIMUM	0.09	-0.01	0.60	0.12	-0.08	0.00	0.17	0.52										0.07	0.33
Yi MEAN	-0.08	-0.06	0.23	0.60	-0.30	-0.02	0.17	0.15											
Yi STD	0.24	0.08	0.87	0.33	0.67	0.14	0.50	0.92											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	90.6%
-2 lt yi le -1	3	9.4%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	34.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	18	56.3%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.55
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

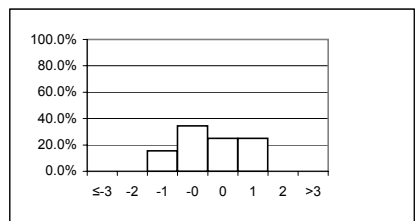
Rater = Castillo, George

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.09	1.18	-0.63	-1.22	-1.17	1.13	-0.77	-1.22										-0.33	1.01
G_Valve_Set	0.60	1.05	0.48	-1.28	-0.15	1.12	0.17	-1.31										0.09	0.95
H_Valve_Set	0.15	1.29	-0.05	-0.80	-0.08	1.03	0.53	-0.48										0.20	0.72
I_Valve_Set	0.47	1.12	-0.90	-0.78	-0.46	1.00	0.89	-0.21										0.14	0.83
Yi MAXIMUM	0.60	1.29	-0.90	-1.28	-1.17	1.13	0.89	-1.31										-0.33	1.01
Yi MINIMUM	0.09	1.05	-0.05	-0.78	-0.08	1.00	0.17	-0.21										0.09	0.72
Yi MEAN	0.33	1.16	-0.28	-1.02	-0.47	1.07	0.20	-0.81											
Yi STD	0.25	0.10	0.61	0.26	0.50	0.06	0.71	0.54											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	59.4%
-2 lt yi le -1	5	15.6%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	34.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	8	25.0%	>3	0.0%
1 lt yi le 2	8	25.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.86
3 lt yi	0	0.0%		
total	32	100.0%	Parts Rated	4

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Valves

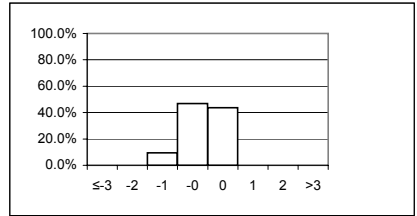
Rater = Foecking, Brian

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
F_Valve_Set	0.45	0.58	-0.19	-1.89	-1.17	0.56	-0.34	-0.77									-0.35	0.89
G_Valve_Set	0.60	0.66	-0.95	-0.92	-0.81	0.55	0.17	-0.40									-0.14	0.71
H_Valve_Set	-0.41	0.26	-0.71	0.13	0.80	0.59	0.01	-0.74									-0.01	0.57
I_Valve_Set	-0.31	0.01	-0.31	-0.28	-1.05	0.31	-0.26	-0.95									-0.35	0.45
Yi MAXIMUM	0.60	0.66	-0.95	-1.89	-1.17	0.59	-0.34	-0.95									-0.35	0.89
Yi MINIMUM	-0.31	0.01	-0.19	0.13	0.80	0.31	0.01	-0.40									-0.01	0.45
Yi MEAN	0.09	0.38	-0.54	-0.74	-0.56	0.50	-0.11	-0.71										
Yi STD	0.52	0.30	0.36	0.88	0.92	0.13	0.24	0.23										

	count	percent
yi le -3	0	0.0%
-3 lt yi le -2	0	0.0%
-2 lt yi le -1	3	9.4%
-1 lt yi le 0	15	46.9%
0 lt yi le 1	14	43.8%
1 lt yi le 2	0	0.0%
2 lt yi le 3	0	0.0%
3 lt yi	0	0.0%
total	32	100.0%
Overall Yi STD	0.66	
Parts Rated	4	

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

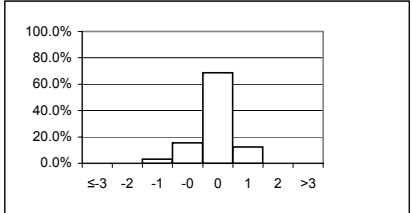
Rater = Garcia, Orlando

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.09	0.19	0.70	1.24	1.20	0.18	-1.19	1.04										0.43	0.81
G_Valve_Set	0.09	0.47	0.95	0.87	1.83	-0.01	-0.36	0.97										0.60	0.70
H_Valve_Set	-0.13	0.26	0.27	0.88	-0.08	0.29	-0.77	0.81										0.19	0.53
I_Valve_Set	0.21	0.45	0.68	0.72	0.13	0.31	0.31	0.27										0.39	0.22
Yi MAXIMUM	0.21	0.47	0.95	1.24	1.83	0.31	-1.19	1.04										0.60	0.81
Yi MINIMUM	0.09	0.19	0.27	0.72	-0.08	-0.01	0.31	0.27										0.19	0.22
Yi MEAN	0.07	0.34	0.65	0.93	0.77	0.19	-0.50	0.77											
Yi STD	0.14	0.14	0.28	0.22	0.90	0.15	0.64	0.35											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	84.4%
-2 lt yi le -1	1	3.1%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	15.6%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	22	68.8%	>3	0.0%
1 lt yi le 2	4	12.5%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.60
3 lt yi	0	0.0%		
total	32	100.0%	Parts Rated	4

Yi distribution (excluding shaded columns)



Group: Red

Light Duty Workshop - Ind/Comb Valves

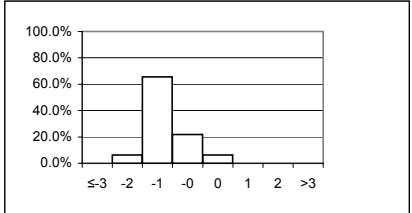
Rater = Kirkpatrick, John

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	-1.70	-1.19	-1.07	-1.44	-2.06	-1.15	-1.19	-0.77										-1.32	0.40
G_Valve_Set	-2.29	-1.46	-1.91	-1.63	-1.47	-1.51	-0.89	-1.31										-1.56	0.41
H_Valve_Set	0.15	-1.58	-0.71	-1.74	-1.84	-1.47	0.27	-1.78										-1.09	0.88
I_Valve_Set	-0.56	-0.65	-1.49	-1.78	-0.46	-1.78	-0.55	-1.68										-1.12	0.61
Yi MAXIMUM	-2.29	-1.58	-1.91	-1.78	-2.06	-1.78	-1.19	-1.78										-1.56	0.88
Yi MINIMUM	0.15	-0.65	-0.71	-1.44	-0.46	-1.15	0.27	-0.77										-1.09	0.40
Yi MEAN	-1.10	-1.22	-1.29	-1.65	-1.46	-1.48	-0.59	-1.38											
Yi STD	1.10	0.41	0.52	0.15	0.71	0.26	0.63	0.46											

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	28.1%
-3 lt yi le -2	2	6.3%	-2 < yi ≤ 2	93.8%
-2 lt yi le -1	21	65.6%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	7	21.9%	>3	0.0%
0 lt yi le 1	2	6.3%	Overall Yi STD	0.61
1 lt yi le 2	0	0.0%	Parts Rated	4
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

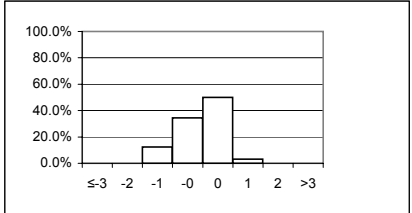
Rater = Kobrinetz, Jack

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
F_Valve_Set	0.81	0.19	-1.07	-0.77	-0.88	0.18	0.73	-1.67									-0.31	0.91
G_Valve_Set	0.95	0.28	-0.48	-0.74	1.17	-0.01	0.70	-0.17									0.21	0.68
H_Valve_Set	0.43	0.06	-0.38	-0.62	0.80	0.15	0.27	0.03									0.09	0.44
I_Valve_Set	0.72	0.23	-1.29	-0.78	-0.46	-0.04	0.03	-1.19									-0.35	0.71
Yi MAXIMUM	0.95	0.28	-1.29	-0.78	1.17	0.18	0.73	-1.67									-0.35	0.91
Yi MINIMUM	0.43	0.06	-0.38	-0.62	-0.46	-0.01	0.03	0.03									0.09	0.44
Yi MEAN	0.73	0.19	-0.80	-0.73	0.16	0.07	0.43	-0.75										
Yi STD	0.22	0.09	0.45	0.08	0.98	0.11	0.34	0.82										

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	84.4%
-2 lt yi le -1	4	12.5%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	34.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	16	50.0%	>3	0.0%
1 lt yi le 2	1	3.1%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.72
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Red

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

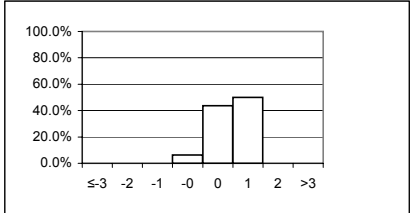
Rater = Lam, Eddie

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
F_Valve_Set	1.17	1.77	0.70	1.01	0.91	1.80	1.79	1.26									1.30	0.43
G_Valve_Set	0.77	1.82	0.72	0.34	-0.15	1.68	0.84	0.52									0.82	0.66
H_Valve_Set	0.84	1.91	0.60	0.32	1.68	1.47	0.53	0.94									1.03	0.58
I_Valve_Set	1.36	1.78	1.27	0.22	-0.46	1.52	0.60	1.01									0.91	0.75
Yi MAXIMUM	1.36	1.91	1.27	1.01	1.68	1.80	1.79	1.26									1.30	0.75
Yi MINIMUM	0.77	1.77	0.60	0.22	-0.15	1.47	0.53	0.52									0.82	0.43
Yi MEAN	1.04	1.82	0.82	0.47	0.49	1.62	0.94	0.93										
Yi STD	0.28	0.06	0.30	0.36	0.98	0.15	0.58	0.31										

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	50.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	2	6.3%	>3	0.0%
0 lt yi le 1	14	43.8%	Overall Yi STD	0.61
1 lt yi le 2	16	50.0%	Parts Rated	4
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

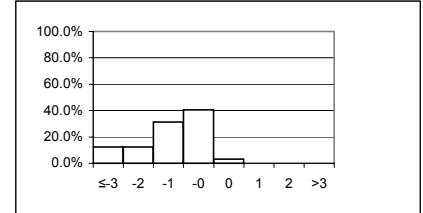
Rater = Lopez, Frank

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	-2.06	-1.59	-1.96	-0.33	-0.88	-1.72	-0.98	-0.32										-1.23	0.70
G_Valve_Set	-2.12	-1.85	-0.48	-0.20	-0.81	-1.88	-3.56	-0.40										-1.41	1.15
H_Valve_Set	-4.02	-1.99	-0.71	-0.06	-1.84	-1.32	-2.34	-0.48										-1.60	1.26
I_Valve_Set	-3.39	-2.43	-0.31	0.22	-1.05	-1.78	-3.41	-0.95										-1.64	1.36
Yi MAXIMUM	-4.02	-2.43	-1.96	-0.33	-1.84	-1.88	-3.56	-0.95										-1.64	1.36
Yi MINIMUM	-2.06	-1.59	-0.31	-0.06	-0.81	-1.32	-0.98	-0.32										-1.23	0.70
Yi MEAN	-2.90	-1.97	-0.86	-0.09	-1.14	-1.68	-2.57	-0.54											
Yi STD	0.97	0.35	0.75	0.24	0.48	0.25	1.19	0.28											

	count	percent		
yi le -3	4	12.5%		
-3 lt yi le -2	4	12.5%	-1 < yi ≤ 1	43.8%
-2 lt yi le -1	10	31.3%	-2 < yi ≤ 2	75.0%
-1 lt yi le 0	13	40.6%	-3 < yi ≤ 3	87.5%
0 lt yi le 1	1	3.1%	>3	12.5%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.10
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Valves

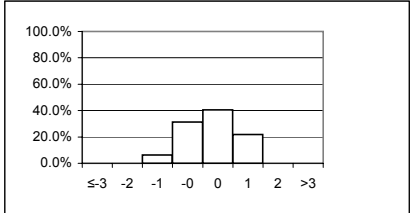
Rater = Lowsky, John

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8											MEAN	STD
F_Valve_Set	0.99	0.39	1.58	-0.10	1.06	0.47	-0.45	1.94											0.73	0.81
G_Valve_Set	0.60	0.08	0.24	-0.56	0.51	-0.01	0.70	0.74											0.29	0.44
H_Valve_Set	0.98	0.26	1.42	0.60	0.80	0.00	-1.43	1.33											0.50	0.92
I_Valve_Set	-0.18	-0.43	-0.40	-1.03	1.31	-0.04	-0.69	1.01											-0.06	0.81
Yi MAXIMUM	0.99	-0.43	1.58	-1.03	1.31	0.47	-1.43	1.94											0.73	0.92
Yi MINIMUM	-0.18	0.08	0.24	-0.10	0.51	0.00	-0.45	0.74											-0.06	0.44
Yi MEAN	0.60	0.07	0.71	-0.27	0.92	0.10	-0.46	1.25												
Yi STD	0.55	0.36	0.95	0.69	0.34	0.24	0.88	0.51												

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	71.9%
-2 lt yi le -1	2	6.3%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	10	31.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	13	40.6%	>3	0.0%
1 lt yi le 2	7	21.9%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.79
3 lt yi	0	0.0%		
total	32	100.0%	Parts Rated	4

Yi distribution (excluding shaded columns)



Group: White

Light Duty Workshop - Ind/Comb Valves

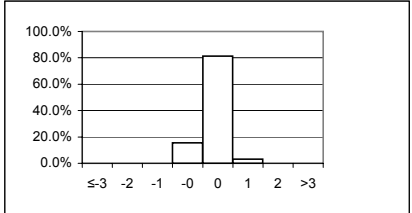
Rater = Pansza, Mike

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8											MEAN	STD
F_Valve_Set	0.09	0.78	0.26	0.34	0.31	0.56	-0.77	0.13											0.21	0.46
G_Valve_Set	0.26	0.47	0.48	1.05	-0.15	0.37	0.44	0.74											0.46	0.35
H_Valve_Set	-0.13	0.26	0.93	0.69	-0.96	0.15	0.01	0.81											0.22	0.61
I_Valve_Set	0.21	0.01	0.09	0.72	-0.46	0.13	0.60	0.52											0.23	0.38
Yi MAXIMUM	0.26	0.78	0.93	1.05	-0.96	0.56	-0.77	0.81											0.46	0.61
Yi MINIMUM	0.09	0.01	0.09	0.34	-0.15	0.13	0.01	0.13											0.21	0.35
Yi MEAN	0.11	0.38	0.44	0.70	-0.31	0.30	0.07	0.55												
Yi STD	0.17	0.33	0.36	0.29	0.54	0.20	0.61	0.31												

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	96.9%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	5	15.6%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	26	81.3%	>3	0.0%
1 lt yi le 2	1	3.1%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.45
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

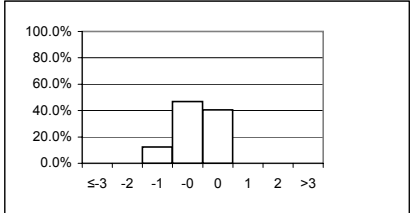
Rater = Radonich, Pete

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8												MEAN	STD
F_Valve_Set	0.45	0.78	-0.63	-1.44	-0.58	0.56	-0.77	-0.32												-0.24	0.77
G_Valve_Set	0.43	0.66	-0.95	-1.10	-0.15	0.55	0.17	-0.40												-0.10	0.67
H_Valve_Set	0.15	0.06	-0.38	-0.99	0.80	0.29	-0.51	-0.74												-0.17	0.59
I_Valve_Set	-0.31	0.01	-0.31	-0.95	-1.05	0.13	-0.26	-1.19												-0.49	0.50
Yi MAXIMUM	0.45	0.78	-0.95	-1.44	-1.05	0.56	-0.77	-1.19												-0.49	0.77
Yi MINIMUM	0.15	0.01	-0.31	-0.95	-0.15	0.13	0.17	-0.32												-0.10	0.50
Yi MEAN	0.18	0.38	-0.57	-1.12	-0.24	0.39	-0.34	-0.66													
Yi STD	0.35	0.40	0.29	0.23	0.79	0.21	0.40	0.40													

	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	4	12.5%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	15	46.9%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	13	40.6%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.63
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

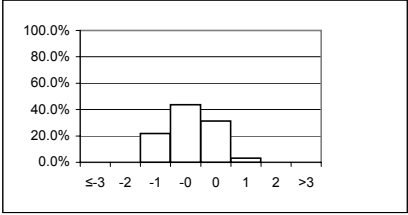
Rater = Rodriguez, Jesse

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.09	-0.80	-1.96	-0.77	-1.47	-0.39	-0.13	-1.67										-0.89	0.75
G_Valve_Set	0.43	-0.50	0.00	-0.92	-0.15	0.18	0.70	-1.31										-0.19	0.68
H_Valve_Set	0.15	-0.56	-1.69	-0.62	-0.08	1.03	0.53	-1.26										-0.31	0.90
I_Valve_Set	-0.31	0.23	-0.70	-0.45	-1.05	0.65	0.31	-0.95										-0.28	0.62
Yi MAXIMUM	0.43	-0.80	-1.96	-0.92	-1.47	1.03	0.70	-1.67										-0.89	0.90
Yi MINIMUM	0.09	0.23	0.00	-0.45	-0.08	0.18	-0.13	-0.95										-0.19	0.62
Yi MEAN	0.09	-0.41	-1.09	-0.69	-0.69	0.37	0.35	-1.30											
Yi STD	0.30	0.44	0.90	0.20	0.68	0.61	0.36	0.30											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	75.0%
-2 lt yi le -1	7	21.9%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	14	43.8%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	10	31.3%	>3	0.0%
1 lt yi le 2	1	3.1%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.76
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

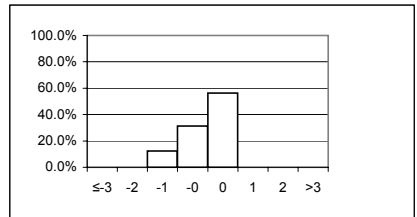
Rater = Sanchez, Art

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.45	0.58	0.26	-0.55	0.61	0.75	0.09	0.58										0.35	0.42
G_Valve_Set	0.43	0.47	-0.72	-0.56	-0.15	0.18	0.70	-1.31										-0.12	0.69
H_Valve_Set	-0.13	0.47	0.27	-0.62	-0.96	0.29	0.01	-1.00										-0.21	0.58
I_Valve_Set	-0.05	0.23	-1.09	-0.61	-0.46	0.48	0.31	-1.68										-0.36	0.75
Yi MAXIMUM	0.45	0.58	-1.09	-0.62	-0.96	0.75	0.70	-1.68										-0.36	0.75
Yi MINIMUM	-0.05	0.23	0.26	-0.55	-0.15	0.18	0.01	0.58										-0.12	0.42
Yi MEAN	0.18	0.44	-0.32	-0.58	-0.24	0.43	0.28	-0.85											
Yi STD	0.31	0.15	0.69	0.03	0.66	0.25	0.31	1.00											

	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	4	12.5%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	10	31.3%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	18	56.3%	>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	32	100.0%	Parts Rated	4

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Valves

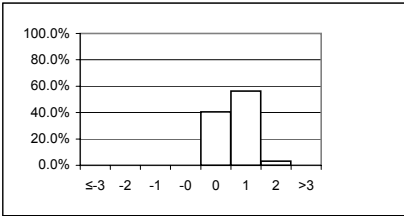
Rater = Seiz, Ray

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.81	1.18	0.70	1.24	1.20	1.13	2.00	0.58										1.11	0.44
G_Valve_Set	0.95	1.44	1.19	1.41	0.51	1.30	0.70	1.66										1.15	0.39
H_Valve_Set	0.98	1.09	0.93	1.44	1.68	1.32	0.79	0.55										1.10	0.37
I_Valve_Set	1.24	1.12	0.68	1.56	0.13	1.00	1.17	0.76										0.96	0.43
Yi MAXIMUM	1.24	1.44	1.19	1.56	1.68	1.32	2.00	1.66										1.15	0.44
Yi MINIMUM	0.81	1.09	0.68	1.24	0.13	1.00	0.70	0.55										0.96	0.37
Yi MEAN	0.99	1.20	0.88	1.41	0.88	1.19	1.17	0.89											
Yi STD	0.18	0.16	0.24	0.13	0.69	0.15	0.59	0.52											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	40.6%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	96.9%
-1 lt yi le 0	0	0.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	13	40.6%	>3	0.0%
1 lt yi le 2	18	56.3%		
2 lt yi le 3	1	3.1%	Overall Yi STD	0.40
3 lt yi	0	0.0%		
total	32	100.0%	Parts Rated	4

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Valves

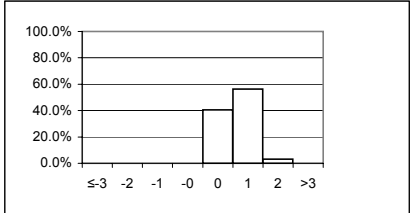
Rater = Shoda, Ron

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	0.45	1.18	1.14	0.79	0.31	1.13	2.22	1.04										1.03	0.58
G_Valve_Set	0.60	1.24	0.95	1.23	1.83	1.12	0.70	1.20										1.11	0.38
H_Valve_Set	0.43	1.09	0.60	1.44	0.80	0.59	1.57	0.81										0.91	0.41
I_Valve_Set	0.72	1.12	1.47	1.56	1.31	1.00	0.60	1.01										1.10	0.34
Yi MAXIMUM	0.72	1.24	1.47	1.56	1.83	1.13	2.22	1.20										1.11	0.58
Yi MINIMUM	0.43	1.09	0.60	0.79	0.31	0.59	0.60	0.81										0.91	0.34
Yi MEAN	0.55	1.16	1.04	1.26	1.06	0.96	1.27	1.01											
Yi STD	0.14	0.07	0.36	0.34	0.65	0.25	0.76	0.16											

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	40.6%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	96.9%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	0	0.0%	>3	0.0%
0 lt yi le 1	13	40.6%	Overall Yi STD	0.42
1 lt yi le 2	18	56.3%	Parts Rated	4
2 lt yi le 3	1	3.1%		
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

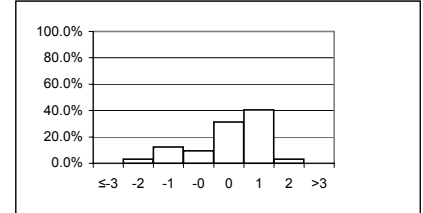
Rater = Terrado, Teresa

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8										MEAN	STD
F_Valve_Set	-2.06	-1.39	0.70	1.01	1.20	-1.72	-0.13	0.13										-0.28	1.28
G_Valve_Set	-1.61	-0.88	0.48	1.41	1.17	0.93	0.70	-1.31										0.11	1.19
H_Valve_Set	0.43	0.88	0.60	-0.80	0.80	1.03	1.57	0.81										0.66	0.68
I_Valve_Set	1.24	1.34	2.06	1.56	1.89	1.35	1.75	1.25										1.56	0.31
Yi MAXIMUM	-2.06	-1.39	2.06	1.56	1.89	-1.72	1.75	-1.31										1.56	1.28
Yi MINIMUM	0.43	0.88	0.48	-0.80	0.80	0.93	-0.13	0.13										0.11	0.31
Yi MEAN	-0.50	-0.01	0.96	0.80	1.27	0.40	0.97	0.22											
Yi STD	1.59	1.33	0.74	1.09	0.46	1.42	0.86	1.12											

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	1	3.1%	-1 < yi ≤ 1	40.6%
-2 lt yi le -1	4	12.5%	-2 < yi ≤ 2	93.8%
-1 lt yi le 0	3	9.4%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	10	31.3%	>3	0.0%
1 lt yi le 2	13	40.6%	Overall Yi STD	1.14
2 lt yi le 3	1	3.1%	Parts Rated	4
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Valves

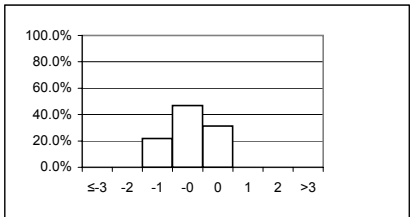
Rater = Tschirhart, Garland

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8												MEAN	STD
F_Valve_Set	0.09	-1.19	-0.19	0.12	0.31	-1.15	-0.77	0.13												-0.33	0.61
G_Valve_Set	0.60	-0.69	0.72	-0.56	-0.81	-1.32	0.17	0.06												-0.23	0.72
H_Valve_Set	-0.13	-0.56	0.27	-0.24	-0.08	-1.32	-0.77	0.29												-0.32	0.55
I_Valve_Set	-0.56	-1.32	-1.49	-1.45	-0.46	-0.91	-0.26	-0.21												-0.83	0.53
Yi MAXIMUM	0.60	-1.32	-1.49	-1.45	-0.81	-1.32	-0.77	0.29												-0.83	0.72
Yi MINIMUM	0.09	-0.56	-0.19	0.12	-0.08	-0.91	0.17	0.06												-0.23	0.53
Yi MEAN	0.00	-0.94	-0.17	-0.53	-0.26	-1.18	-0.41	0.07													
Yi STD	0.49	0.37	0.95	0.67	0.48	0.19	0.45	0.21													

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	78.1%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	7	21.9%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	15	46.9%	>3	0.0%
0 lt yi le 1	10	31.3%		
1 lt yi le 2	0	0.0%	Overall Yi STD	0.63
2 lt yi le 3	0	0.0%	Parts Rated	4
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

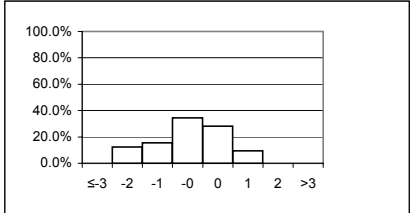
Rater = Tuchsens, Richard

Yi VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
F_Valve_Set	0.81	-0.21	0.26	1.01	1.20	-0.01	0.30	0.58									0.49	0.50
G_Valve_Set	-0.25	-0.50	-0.24	-0.74	-2.12	-1.13	-0.63	-1.08									-0.84	0.62
H_Valve_Set	-0.13	-0.15	-3.00	-1.74	-0.96	-2.20	-1.56	-2.29									-1.50	1.03
I_Valve_Set	0.47	-0.65	0.29	0.05	0.13	-1.61	0.03	1.01									-0.04	0.79
Yi MAXIMUM	0.81	-0.65	-3.00	-1.74	-2.12	-2.20	-1.56	-2.29									-1.50	1.03
Yi MINIMUM	-0.13	-0.15	-0.24	0.05	0.13	-0.01	0.03	0.58									-0.04	0.50
Yi MEAN	0.22	-0.38	-0.67	-0.35	-0.44	-1.24	-0.46	-0.45										
Yi STD	0.50	0.24	1.57	1.17	1.43	0.93	0.83	1.53										

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	62.5%
-3 lt yi le -2	4	12.5%	-2 < yi ≤ 2	87.5%
-2 lt yi le -1	5	15.6%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	11	34.4%	>3	0.0%
0 lt yi le 1	9	28.1%	Overall Yi STD	1.06
1 lt yi le 2	3	9.4%	Parts Rated	4
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Valves

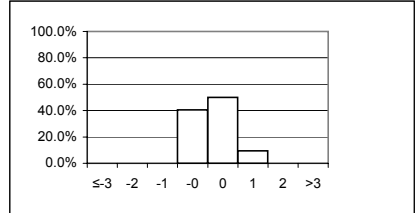
Rater = Viera, Ralph

YI VALUES

	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8									MEAN	STD
F_Valve_Set	0.45	-0.21	0.70	1.01	0.31	-0.01	0.51	0.13									0.36	0.39
G_Valve_Set	0.09	-0.30	0.48	0.87	-0.81	-0.20	-0.10	0.97									0.13	0.61
H_Valve_Set	-0.13	-0.35	0.27	1.06	-0.96	-0.29	0.79	0.29									0.08	0.66
I_Valve_Set	-0.31	-0.21	0.88	1.06	0.13	-0.39	0.03	0.03									0.15	0.54
Yi MAXIMUM	0.45	-0.35	0.88	1.06	-0.96	-0.39	0.79	0.97									0.36	0.66
Yi MINIMUM	0.09	-0.21	0.27	0.87	0.13	-0.01	0.03	0.03									0.08	0.39
Yi MEAN	0.03	-0.27	0.58	1.00	-0.33	-0.22	0.31	-0.36										
Yi STD	0.33	0.07	0.26	0.09	0.65	0.16	0.41	0.42										

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	90.6%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	13	40.6%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	16	50.0%	>3	0.0%
1 lt yi le 2	3	9.4%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.54
3 lt yi	0	0.0%	Parts Rated	4
total	32	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Deposits

	Number of Parts Rated	-1 < yi ≤ 1	-2 < yi ≤ 2	-3 < yi ≤ 3	>3	Yi STD	Group	
Adams, Pat	3	70.0%	70.0%	100.0%	0.0%	1.33	Yellow	Yellow
Barrera, Tony	3	65.0%	90.0%	100.0%	0.0%	0.60	White	White
Castillo, George	1	100.0%	100.0%	100.0%	0.0%	0.61	Blue	Blue
Foecking, Brian	3	95.0%	100.0%	100.0%	0.0%	0.60	Blue	Blue
Garcia, Orlando	3	100.0%	100.0%	100.0%	0.0%	0.56	Blue	Blue
Kirkpatrick, John	3	95.0%	100.0%	100.0%	0.0%	0.50	Blue	Blue
Kobrinetz, Jack	3	90.0%	100.0%	100.0%	0.0%	0.38	Blue	Blue
Lam, Eddie	1	100.0%	100.0%	100.0%	0.0%	0.23	Blue	Blue
Lopez, Frank	3	95.0%	100.0%	100.0%	0.0%	0.62	Blue	Blue
Lowsky, John	3	90.0%	100.0%	100.0%	0.0%	0.55	Blue	Blue
Panza, Mike	3	80.0%	100.0%	100.0%	0.0%	0.64	Red	Red
Radonich, Pete	3	90.0%	100.0%	100.0%	0.0%	0.56	Blue	Blue
Rodriguez, Jesse	3	50.0%	95.0%	100.0%	0.0%	0.54	Yellow	Yellow
Sanchez, Art	3	70.0%	100.0%	100.0%	0.0%	0.95	White	White
Seiz, Ray	3	85.0%	100.0%	100.0%	0.0%	0.67	Blue	Blue
Shoda, Ron	3	65.0%	95.0%	100.0%	0.0%	0.68	White	White
Tschirhart, Garland	3	45.0%	90.0%	100.0%	0.0%	1.32	Yellow	Yellow
Tuchsen, Richard	3	40.0%	70.0%	100.0%	0.0%	1.72	Yellow	Yellow

Group Criteria

	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	0	60%	90%	1.20	3	17%
Red	0	80%	95%	0.85	1	6%
Blue	0	85%	98%	0.75	10	56%
Yellow	-	-	-	-	4	22%

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

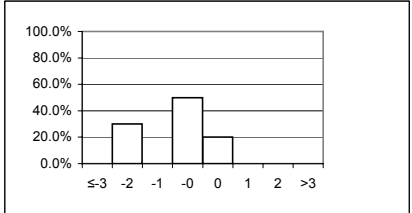
Rater = Adams, Pat

YI VALUES

	1	2	3	4	5	6	7	8									MEAN	STD
J_Piston_Tops	-0.49	-0.03	-0.36	0.72	-0.21	0.42	-0.12	0.29									0.03	0.41
K_Comb_Chambers	-0.19	-0.53	-0.56	-0.58	-0.13	0.18											-0.30	0.31
L_Intake_Runners	-2.95	-2.73	-2.92	-2.94	-2.83	-2.79											-2.86	0.09
Yi MAXIMUM	-2.95	-2.73	-2.92	-2.94	-2.83	-2.79	-0.12	0.29									-2.86	0.41
Yi MINIMUM	-0.19	-0.03	-0.36	-0.58	-0.13	0.18	-0.12	0.29									0.03	0.09
Yi MEAN	-1.21	-1.10	-1.28	-0.93	-1.06	-0.73	-0.12	0.29										
Yi STD	1.51	1.44	1.43	1.85	1.53	1.79												

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	6	30.0%	-1 < yi ≤ 1	70.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	70.0%
-1 lt yi le 0	10	50.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	4	20.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	1.33
3 lt yi	0	0.0%	Parts Rated	3
total	20	100.0%		

Yi distribution (excluding shaded columns)



Light Duty Workshop - Ind/Comb Deposits

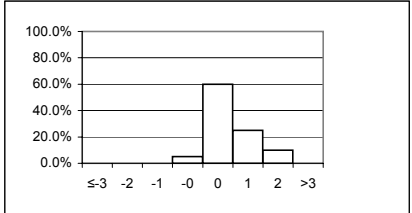
Rater = Barrera, Tony

YI VALUES

	1	2	3	4	5	6	7	8										MEAN	STD
J Piston_Tops	1.42	1.32	1.20	0.48	1.29	2.03	1.67	2.24										1.46	0.54
K Comb_Champers	0.95	0.64	0.56	0.48	0.23	-0.05												0.47	0.35
L Intake_Runners	0.55	0.50	0.61	0.55	0.60	0.62												0.57	0.04
Yi MAXIMUM	1.42	1.32	1.20	0.55	1.29	2.03	1.67	2.24										1.46	0.54
Yi MINIMUM	0.55	0.50	0.56	0.48	0.23	-0.05	1.67	2.24										0.47	0.04
Yi MEAN	0.97	0.82	0.79	0.50	0.70	0.86	1.67	2.24											
Yi STD	0.44	0.43	0.36	0.04	0.54	1.06													

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	65.0%
-2 lt yi le -1	0	0.0%	-2 < yi ≤ 2	90.0%
-1 lt yi le 0	1	5.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	12	60.0%	>3	0.0%
1 lt yi le 2	5	25.0%		
2 lt yi le 3	2	10.0%	Overall Yi STD	0.60
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

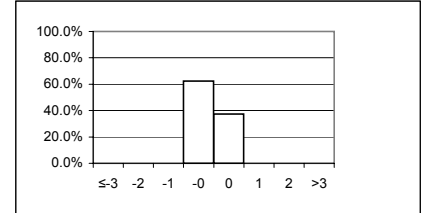
Rater = Castillo, George

Yi VALUES

	1	2	3	4	5	6	7	8												MEAN	STD
J_Piston_Tops	0.99	0.53	0.39	-0.26	-0.72	-0.64	-0.41	-0.11												-0.03	0.61
K_Comb_Chambers																					
L_Intake_Runners																					
Yi MAXIMUM	0.99	0.53	0.39	-0.26	-0.72	-0.64	-0.41	-0.11												-0.03	0.61
Yi MINIMUM	0.99	0.53	0.39	-0.26	-0.72	-0.64	-0.41	-0.11												-0.03	0.61
Yi MEAN	0.99	0.53	0.39	-0.26	-0.72	-0.64	-0.41	-0.11													
Yi STD																					

	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	5	62.5%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	3	37.5%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.61
3 lt yi	0	0.0%		
total	8	100.0%	Parts Rated	1

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Deposits

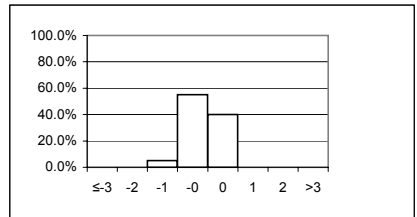
Rater = Foecking, Brian

YI VALUES

	1	2	3	4	5	6	7	8											MEAN	STD
J Piston_Tops	-0.93	-0.28	0.09	-0.87	-0.46	-0.94	0.66	-0.77											-0.44	0.57
K Comb_Chambers	-0.30	-0.33	-0.96	-1.21	-0.41	-0.66													-0.64	0.37
L Intake_Runners	0.41	0.64	0.18	0.42	0.46	0.36													0.41	0.15
Yi MAXIMUM	-0.93	0.64	-0.96	-1.21	-0.46	-0.94	0.66	-0.77											-0.64	0.57
Yi MINIMUM	-0.30	-0.28	0.09	0.42	-0.41	0.36	0.66	-0.77											0.41	0.15
Yi MEAN	-0.27	0.01	-0.23	-0.56	-0.14	-0.41	0.66	-0.77												
Yi STD	0.67	0.55	0.63	0.86	0.52	0.68														

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	95.0%
-2 lt yi le -1	1	5.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	55.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	8	40.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.60
3 lt yi	0	0.0%	Parts Rated	3
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

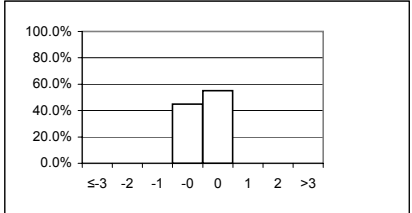
Rater = Garcia, Orlando

Yi VALUES

	1	2	3	4	5	6	7	8									MEAN	STD
J_Piston_Tops	-0.61	-0.14	-0.47	0.64	0.09	0.67	0.03	0.58									0.10	0.50
K_Comb_Chambers	-0.90	-0.49	-0.48	-0.15	-0.66	-0.61											-0.55	0.25
L_Intake_Runners	0.58	0.45	0.63	0.52	0.63	0.64											0.57	0.08
Yi MAXIMUM	-0.90	-0.49	0.63	0.64	-0.66	0.67	0.03	0.58									0.57	0.50
Yi MINIMUM	0.58	-0.14	-0.47	-0.15	0.09	-0.61	0.03	0.58									0.10	0.08
Yi MEAN	-0.31	-0.06	-0.11	0.34	0.02	0.23	0.03	0.58										
Yi STD	0.79	0.47	0.64	0.43	0.65	0.73												

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	100.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	9	45.0%	>3	0.0%
0 lt yi le 1	11	55.0%	Overall Yi STD	0.56
1 lt yi le 2	0	0.0%	Parts Rated	3
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Deposits

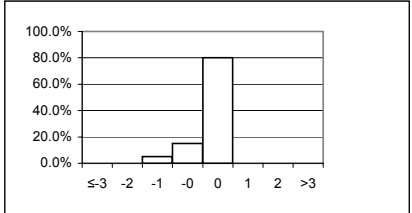
Rater = Kirkpatrick, John

YI VALUES

	1	2	3	4	5	6	7	8										MEAN	STD
J_Piston_Tops	0.17	0.15	-0.21	0.40	0.17	0.19	-1.35	0.81										0.04	0.63
K_Comb_Chambers	0.37	-0.05	0.07	-0.15	0.29	0.32												0.14	0.22
L_Intake_Runners	0.69	0.64	0.75	0.67	0.74	0.74												0.71	0.04
Yi MAXIMUM	0.69	0.64	0.75	0.67	0.74	0.74	-1.35	0.81										0.71	0.63
Yi MINIMUM	0.17	-0.05	0.07	-0.15	0.17	0.19	-1.35	0.81										0.04	0.04
Yi MEAN	0.41	0.25	0.20	0.31	0.40	0.42	-1.35	0.81											
Yi STD	0.26	0.35	0.49	0.42	0.30	0.29													

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	95.0%
-2 lt yi le -1	1	5.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	3	15.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	16	80.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.50
3 lt yi	0	0.0%	Parts Rated	3
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: Blue

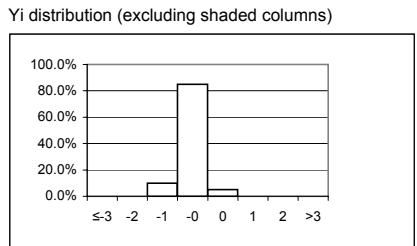
Light Duty Workshop - Ind/Comb Deposits

Rater = Kobrinetz, Jack

Yi VALUES

	1	2	3	4	5	6	7	8									MEAN	STD
J_Piston_Tops	-1.25	-0.50	-0.91	-0.74	-0.62	-0.26	-0.67	0.02									-0.62	0.39
K_Comb_Chambers	-1.11	-0.84	-0.58	-0.37	-0.70	-0.70											-0.72	0.25
L_Intake_Runners	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01											-0.11	0.06
Yi MAXIMUM	-1.25	-0.84	-0.91	-0.74	-0.70	-0.70	-0.67	0.02									-0.72	0.39
Yi MINIMUM	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01	-0.67	0.02									-0.11	0.06
Yi MEAN	-0.84	-0.51	-0.53	-0.40	-0.47	-0.32	-0.67	0.02										
Yi STD	0.60	0.32	0.41	0.32	0.33	0.35												

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	90.0%
-2 lt yi le -1	2	10.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	17	85.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	1	5.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.38
3 lt yi	0	0.0%	Parts Rated	3
total	20	100.0%		



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

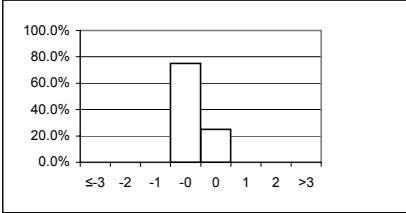
Rater = Lam, Eddie

YI VALUES

	1	2	3	4	5	6	7	8										MEAN	STD
J_Piston_Tops	0.23	-0.05	-0.28	0.19	-0.21	-0.26	-0.38	-0.24										-0.13	0.23
K_Comb_Chambers																			
L_Intake_Runners																			
Yi MAXIMUM	0.23	-0.05	-0.28	0.19	-0.21	-0.26	-0.38	-0.24										-0.13	0.23
Yi MINIMUM	0.23	-0.05	-0.28	0.19	-0.21	-0.26	-0.38	-0.24										-0.13	0.23
Yi MEAN	0.23	-0.05	-0.28	0.19	-0.21	-0.26	-0.38	-0.24											
Yi STD																			

	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	6	75.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	2	25.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.23
3 lt yi	0	0.0%		
total	8	100.0%	Parts Rated	1

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Deposits

Rater = Lopez, Frank

Yi VALUES

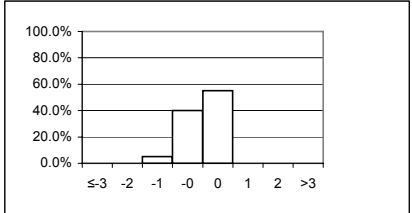
	1	2	3	4	5	6	7	8											MEAN	STD
J_Piston_Tops	0.23	0.64	0.39	-0.24	-0.08	-0.03	0.92	1.00											0.35	0.47
K_Comb_Chambers	-1.21	-0.53	-0.44	-0.33	-0.70	-0.32													-0.59	0.34
L_Intake_Runners	0.66	0.64	0.72	0.65	0.71	0.69													0.68	0.03
Yi MAXIMUM	-1.21	0.64	0.72	0.65	0.71	0.69	0.92	1.00											0.68	0.47
Yi MINIMUM	0.23	-0.53	0.39	-0.24	-0.08	-0.03	0.92	1.00											0.35	0.03
Yi MEAN	-0.11	0.25	0.22	0.03	-0.03	0.11	0.92	1.00												
Yi STD	0.98	0.68	0.60	0.54	0.71	0.52														

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%		
-2 lt yi le -1	1	5.0%		
-1 lt yi le 0	8	40.0%		
0 lt yi le 1	11	55.0%		
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%		
3 lt yi	0	0.0%		
total	20	100.0%		

	-1 < yi ≤ 1	95.0%		
	-2 < yi ≤ 2	100.0%		
	-3 < yi ≤ 3	100.0%		
	>3	0.0%		

Overall Yi STD	0.62
Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

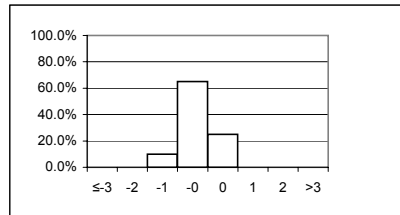
Rater = **Lowsky, John**

YI VALUES

	1	2	3	4	5	6	7	8											MEAN	STD	
J_Piston_Tops	-0.35	-1.87	-0.28	0.32	0.27	0.31	0.14	0.16											-0.16	0.74	
K_Comb_Chambers	-1.23	-0.73	-0.60	-0.54	-0.83	-0.41													-0.72	0.29	
L_Intake_Runners	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01													-0.11	0.06	
Yi MAXIMUM	-1.23	-1.87	-0.60	-0.54	-0.83	-0.41	0.14	0.16											-0.72	0.74	
Yi MINIMUM	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01	0.14	0.16												-0.11	0.06
Yi MEAN	-0.58	-0.93	-0.33	-0.11	-0.21	-0.04	0.14	0.16													
Yi STD	0.58	0.85	0.25	0.43	0.56	0.36															

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	90.0%
-2 lt yi le -1	2	10.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	13	65.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	5	25.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.55
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

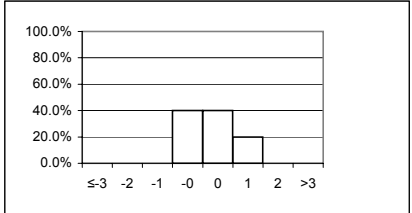
Rater = Pansza, Mike

YI VALUES

	1	2	3	4	5	6	7	8								MEAN	STD
J_Piston_Tops	1.16	1.32	1.43	-0.21	-0.06	0.01	1.54	0.02								0.65	0.77
K_Comb_Chambers	0.12	0.08	-0.37	-0.83	0.23	-0.03										-0.13	0.40
L_Intake_Runners	0.13	0.36	0.46	-0.10	-0.36	-0.01										0.08	0.30
Yi MAXIMUM	1.16	1.32	1.43	-0.83	-0.36	-0.03	1.54	0.02								0.65	0.77
Yi MINIMUM	0.12	0.08	-0.37	-0.10	-0.06	0.01	1.54	0.02								0.08	0.30
Yi MEAN	0.47	0.58	0.51	-0.38	-0.06	-0.01	1.54	0.02									
Yi STD	0.60	0.65	0.90	0.39	0.29	0.02											

	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	8	40.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	8	40.0%	>3	0.0%
1 lt yi le 2	4	20.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.64
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Red

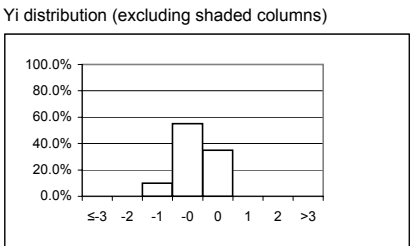
Light Duty Workshop - Ind/Comb Deposits

Rater = Radonich, Pete

Yi VALUES

	1	2	3	4	5	6	7	8										MEAN	STD
J_Piston_Tops	-0.93	-0.28	-0.28	-1.14	-0.72	-0.48	0.40	-1.03										-0.56	0.51
K_Comb_Chambers	-0.30	-0.33	-0.56	-0.83	0.01	-0.45												-0.41	0.28
L_Intake_Runners	0.41	0.64	-0.10	0.67	0.46	0.24												0.39	0.29
Yi MAXIMUM	-0.93	0.64	-0.56	-1.14	-0.72	-0.48	0.40	-1.03										-0.56	0.51
Yi MINIMUM	-0.30	-0.28	-0.10	0.67	0.01	0.24	0.40	-1.03										0.39	0.28
Yi MEAN	-0.27	0.01	-0.32	-0.43	-0.08	-0.23	0.40	-1.03											
Yi STD	0.67	0.55	0.23	0.97	0.60	0.41													

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	90.0%
-2 lt yi le -1	2	10.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	11	55.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	7	35.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.56
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3



Group: Blue

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

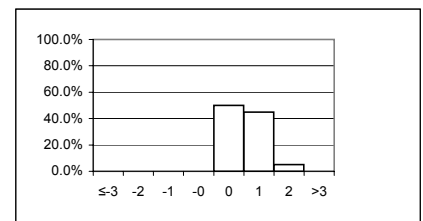
Rater = Rodriguez, Jesse

YI VALUES

	1	2	3	4	5	6	7	8									MEAN	STD
J_Piston_Tops	0.78	0.91	1.61	2.20	0.96	1.55	0.94	1.68									1.33	0.50
K_Comb_Chambers	1.68	1.94	1.71	1.56	1.58	1.61											1.68	0.14
L_Intake_Runners	0.61	0.59	0.55	0.60	0.57	0.67											0.60	0.04
Yi MAXIMUM	1.68	1.94	1.71	2.20	1.58	1.61	0.94	1.68									1.68	0.50
Yi MINIMUM	0.61	0.59	0.55	0.60	0.57	0.67	0.94	1.68									0.60	0.04
Yi MEAN	1.02	1.15	1.29	1.45	1.04	1.28	0.94	1.68										
Yi STD	0.57	0.71	0.64	0.81	0.51	0.53												

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	50.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	95.0%
-2 lt yi le -1	0	0.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	0	0.0%	>3	0.0%
0 lt yi le 1	10	50.0%	Overall Yi STD	0.54
1 lt yi le 2	9	45.0%		
2 lt yi le 3	1	5.0%	Parts Rated	3
3 lt yi	0	0.0%		
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

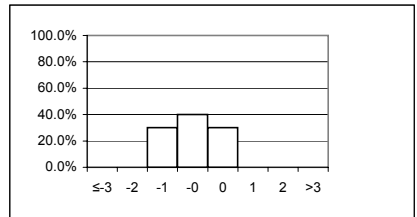
Rater = Sanchez, Art

Yi VALUES

	1	2	3	4	5	6	7	8											MEAN	STD
J_Piston_Tops	-1.22	-1.17	-0.99	-1.59	-1.89	-1.39	-0.98	-1.29											-1.31	0.31
K_Comb_Chambers	-0.09	-0.57	-0.09	-0.13	-0.03	-0.45													-0.23	0.23
L_Intake_Runners	0.92	0.87	0.86	0.86	0.90	0.69													0.85	0.08
Yi MAXIMUM	-1.22	-1.17	-0.99	-1.59	-1.89	-1.39	-0.98	-1.29											-1.31	0.31
Yi MINIMUM	-0.09	-0.57	-0.09	-0.13	-0.03	-0.45	-0.98	-1.29											-0.23	0.08
Yi MEAN	-0.13	-0.29	-0.07	-0.29	-0.34	-0.38	-0.98	-1.29												
Yi STD	1.07	1.05	0.92	1.23	1.42	1.04														

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	70.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	100.0%
-2 lt yi le -1	6	30.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	8	40.0%	>3	0.0%
0 lt yi le 1	6	30.0%		
1 lt yi le 2	0	0.0%	Overall Yi STD	0.95
2 lt yi le 3	0	0.0%	Parts Rated	3
3 lt yi	0	0.0%		
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: White

April 30-May4, 2007

Light Duty Workshop - Ind/Comb Deposits

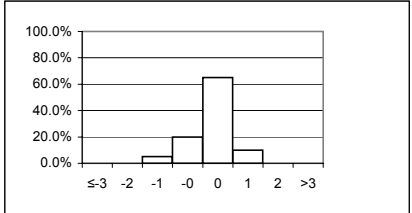
Rater = Seiz, Ray

Yi VALUES

	1	2	3	4	5	6	7	8											MEAN	STD
J_Piston_Tops	0.26	1.20	0.27	0.53	1.49	-0.87	-0.25	-1.27											0.17	0.95
K_Comb_Chambers	0.12	0.08	0.03	0.14	-0.41	-0.45													-0.08	0.27
L_Intake_Runners	0.69	0.64	0.75	0.67	0.74	0.74													0.71	0.04
Yi MAXIMUM	0.69	1.20	0.75	0.67	1.49	-0.87	-0.25	-1.27											0.71	0.95
Yi MINIMUM	0.12	0.08	0.03	0.14	-0.41	-0.45	-0.25	-1.27											-0.08	0.04
Yi MEAN	0.36	0.64	0.35	0.45	0.61	-0.19	-0.25	-1.27												
Yi STD	0.30	0.56	0.36	0.28	0.96	0.84														

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	85.0%
-2 lt yi le -1	1	5.0%	-2 < yi ≤ 2	100.0%
-1 lt yi le 0	4	20.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	13	65.0%	>3	0.0%
1 lt yi le 2	2	10.0%		
2 lt yi le 3	0	0.0%	Overall Yi STD	0.67
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Blue

Light Duty Workshop - Ind/Comb Deposits

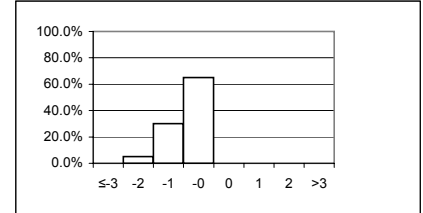
Rater = Shoda, Ron

YI VALUES

	1	2	3	4	5	6	7	8								MEAN	STD
J_Piston_Tops	-0.93	-1.62	-2.14	-1.67	-0.97	-0.94	-1.94	-1.29								-1.44	0.48
K_Comb_Chambers	-0.30	-0.94	-0.96	-0.44	-1.47	-1.28										-0.90	0.46
L_Intake_Runners	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01										-0.11	0.06
Yi MAXIMUM	-0.93	-1.62	-2.14	-1.67	-1.47	-1.28	-1.94	-1.29								-1.44	0.48
Yi MINIMUM	-0.15	-0.20	-0.10	-0.10	-0.09	-0.01	-1.94	-1.29								-0.11	0.06
Yi MEAN	-0.46	-0.92	-1.07	-0.74	-0.84	-0.74	-1.94	-1.29									
Yi STD	0.41	0.71	1.02	0.82	0.70	0.65											

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	65.0%
-3 lt yi le -2	1	5.0%	-2 < yi ≤ 2	95.0%
-2 lt yi le -1	6	30.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	13	65.0%	>3	0.0%
0 lt yi le 1	0	0.0%		
1 lt yi le 2	0	0.0%	Overall Yi STD	0.68
2 lt yi le 3	0	0.0%	Parts Rated	3
3 lt yi	0	0.0%		
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: White

Light Duty Workshop - Ind/Comb Deposits

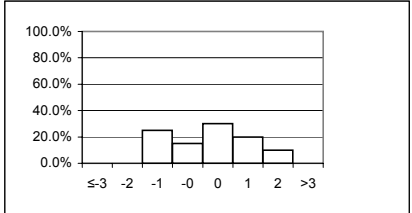
Rater = Tschirhart, Garland

YI VALUES

	1	2	3	4	5	6	7	8										MEAN	STD
J Piston_Tops	2.21	1.07	1.57	1.51	2.33	1.78	0.92	-0.24										1.39	0.82
K Comb_Chambers	0.01	-0.11	0.44	0.54	0.25	0.41												0.26	0.26
L Intake_Runners	-0.99	-1.61	-1.51	-1.39	-1.46	-1.78												-1.46	0.26
Yi MAXIMUM	2.21	-1.61	1.57	1.51	2.33	-1.78	0.92	-0.24										-1.46	0.82
Yi MINIMUM	0.01	-0.11	0.44	0.54	0.25	0.41	0.92	-0.24										0.26	0.26
Yi MEAN	0.41	-0.21	0.17	0.22	0.37	0.14	0.92	-0.24											
Yi STD	1.64	1.34	1.56	1.48	1.90	1.79													

	count	percent		
yi le -3	0	0.0%	-1 < yi ≤ 1	45.0%
-3 lt yi le -2	0	0.0%	-2 < yi ≤ 2	90.0%
-2 lt yi le -1	5	25.0%	-3 < yi ≤ 3	100.0%
-1 lt yi le 0	3	15.0%	>3	0.0%
0 lt yi le 1	6	30.0%		
1 lt yi le 2	4	20.0%	Overall Yi STD	1.32
2 lt yi le 3	2	10.0%	Parts Rated	3
3 lt yi	0	0.0%		
total	20	100.0%		

Yi distribution (excluding shaded columns)



Group: Yellow

Light Duty Workshop - Ind/Comb Deposits

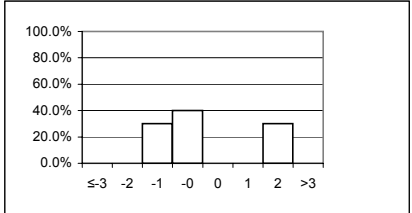
Rater = Tuchsén, Richard

YI VALUES

	1	2	3	4	5	6	7	8											MEAN	STD
J_Piston_Tops	-0.76	-1.22	-1.03	-0.29	-0.67	-1.16	-1.11	-0.56											-0.85	0.33
K_Comb_Chambers	2.40	2.71	2.80	2.84	2.76	2.88													2.73	0.17
L_Intake_Runners	-1.27	-1.04	-0.67	-0.87	-0.91	-0.77													-0.92	0.21
Yi MAXIMUM	2.40	2.71	2.80	2.84	2.76	2.88	-1.11	-0.56											2.73	0.33
Yi MINIMUM	-0.76	-1.04	-0.67	-0.29	-0.67	-0.77	-1.11	-0.56											-0.85	0.17
Yi MEAN	0.13	0.15	0.37	0.56	0.40	0.32	-1.11	-0.56												
Yi STD	1.99	2.22	2.11	1.99	2.05	2.23														

	count	percent		
yi le -3	0	0.0%		
-3 lt yi le -2	0	0.0%	-1 < yi ≤ 1	40.0%
-2 lt yi le -1	6	30.0%	-2 < yi ≤ 2	70.0%
-1 lt yi le 0	8	40.0%	-3 < yi ≤ 3	100.0%
0 lt yi le 1	0	0.0%	>3	0.0%
1 lt yi le 2	0	0.0%		
2 lt yi le 3	6	30.0%	Overall Yi STD	1.72
3 lt yi	0	0.0%		
total	20	100.0%	Parts Rated	3

Yi distribution (excluding shaded columns)



Group: Yellow