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ASTM Gear Rating Task Force Meeting & Gear Rating Workshop January 15-17, 2013 San Antonio, TX

Scott Parke, Pete Radnoich, Chris Lonsway, Marty Rose, Pat Adams, Brain Kozak, Nancy Aguirre, Bobby Travino, Vernon Kraemer, Art Sanchez, Jesse Rodriquez, and Frank Lopez attended the ASTM Gear Rating Task Force Meeting.

Art Sanchez opened the meeting at 8:30 a.m. as scheduled. The meeting agenda was distributed and the first order was opened for discussion.

New L-42 Templates with different shapes and sizes.

New L-42 rating templates are available for purchase from ASTM. Do raters feel the new templates are helpful with L-42 ratings?

All raters feel the new L-42 templates are very helpful with rating L-42 ring and pinion scoring due to the different percent sizes now available.

Several raters also mentioned one negative aspect of the new L-42 templates are the dull plastic material used, compared to the very clear plastic material used in the past with all other clear plastic rating aids. All raters present agreed this was a problem.

Scott Parke will contact ASTM and make them aware of the dull plastic material. Raters asked Scott if the problem was corrected, could ASTM reissue new L-42 templates to the labs at no cost to replace templates already purchased.

Field Test Ratings

Field test ratings were discussed. It has been some time since this was done. Previously, this was done at each workshop, with raters doing this as a group, and rating results discussed openly, and data was not collected or recorded.

Seals and bearings were the main concern. A discussion for each lab to bring these parts to the workshops for a separate rating exercise for those raters interested. Lubrizol and Afton Chemical will provide parts.

A suggestion was made that the most experienced raters share and compare their rating knowledge of rating bearing and seals with all raters before any bearing and seal ratings begin.

After ratings are complete and reviewed, the data would not be recorded and each rater would keep their rating data.

Next Gear Rating Workshop

Discuss dates and location of the next Gear Rating Workshop.

The next workshop is to be held in Cleveland, the week of July 22, 2013, hosted by Lubrizol.

End of Rating Task Force Meeting.

Calibration hardware was chosen and laid out by Scott Parke. Calibration data was generated, reviewed in great detail and found to be acceptable by all raters.

Calibration hardware was removed from rating tables and replaced with general rating hardware to be continued the next day.

End of day one.

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General hardware ratings began and continued until after lunch. After completion of ratings, data was reviewed and any ratings different from the group were reviewed and discussed by all raters.

After completion of general hardware ratings, Scott Parke laid out nine L-42 gear sets for rating. These gear sets have been rated at past workshops for generating rating targets for introduction into the L-42 RCMS system. After ratings were complete, data was reviewed and found to be acceptable by all raters.

End of day two.

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The next day, Scott set up two L-60-1 rating jigs for rating several L60 gears, after completion of ratings, the data was reviewed and discussed by all raters and found to be acceptable.

After all calibration data was complete, the start of dismantling the workshop tables and rating lights and preparing workshop hardware for shipping, began and continued after lunch.

Closing meeting.

Introduction of new L-42 gear sets into RCMS system

A motion was made by Art Sanchez and then second by Scott Parke to have nine more L-42 gear sets added to the RCMS system.

These L-42 gear sets have been rated at several previous gear workshops. Each of the four labs represented voted and all were for accepting L-42 gear sets 35 to 43 into the RCMS system.

Scott also mentioned for all labs to continue to save L-42 gear sets that could be used for the RCMS system in the future.

New L-42 templates with different shapes and sizes.

Scott Parke contacted ASTM and they are working on producing a better clear plastic material for the L-42 templates. When they have them produced, they will send replacements to each of the four labs at no charge.

L-60-1 Rating Jig

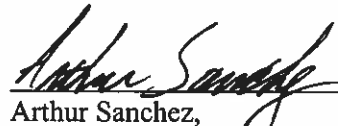
A motion was made by Marty Rose and seconded by Pete Radonich to accept the L-60-1 rating jig as the only way to rate L-60-1 gears by all labs. Three labs voted for accepting the rating jig and one lab abstained. The motion passed.

At the conclusion of the calibration workshop, Scott Parke and all raters present thanked Southwest Research Institute for providing a successful workshop.

Light meter readings for each rating table.

01-15-13	L-60 lights	#1. 293fc #2. 345fc
	L-33 lights	#1. 298fc #2. 324fc #3. 304fc
	L-42 lights	#1. 399fc #2. 420fc
	L-37 lights	#1. 417fc #2. 426fc #3. 368fc
01-16-13	L-60 lights	#1. 344fc #2. 301fc
	L-33 lights	#1. 395fc #2. 360fc #3. 300fc
	L-42 lights	#1. 414fc #2. 424fc
	L-37 lights	#1. 346fc #2. 400fc #3. 317fc
01-17-13	L-60 lights	#1. 340fc #2. 310fc
	L-33 lights	#1. 350fc #2. 357fc #3. 290fc
	L-42 lights	#1. 430fc #2. 385fc
	L-37 lights	#1. 366fc #2. 394fc #3. 352fc

Respectfully submitted,



Arthur Sanchez,
ASTM Gear Rating Task Force Chairman

AS/cm

ASTM GEAR RATING TASKFORCE PANEL MEMBERSHIP

<u>MEMBERS</u>	<u>COMPANY</u>
Aguirre, Nancy.....	Intertek
Adams, Pat.....	Afton
Barrera, Tony.....	Intertek
Foecking, Brian.....	Lubrizol
Lopez, Frank.....	SwRI
Lonsway, Chris.....	Lubrizol
Radonich, Pete	Lubrizol
Rodriguez, Jesse.....	SwRI
Rose, Marty.....	Afton
Sanchez, Art, Ldr.	SwRI
Stocks, Wes.....	Afton
Trevino, Bobby.....	Intertek

<u>MAILING DISTRIBUTION</u>	<u>COMPANY</u>
Bonewald, John.....	SwRI
Gottwald, Thomas.....	Afton
Gropp, Jerry	Lubrizol
Huron, John.....	Oronite
Koehler, Brian.....	SwRI
Koglin, Cory.....	Afton
Lind, Don	TMC
McGlone, Bruce.....	Meritor
Parke, Scott.....	TMC
Schenkenberger, Chris.....	Lubrizol
Smith, Dale.....	Intertek PARC
Zakarian, Jack	Chevron

ASTM Gear Rating Calibration Workshop
Attendance Roster
San Antonio, TX. January 15, 2013

Member	Visitor	Name	Company	Telephone/Fax/Email
		Bobby Trevino	Intertek	bobby.trevino@intertek.com
✓		Mandy Rose	Aflon	804-788-5374
✓		PAT ADAMS	AFTON	Mandy Rose @ Afton Chemical Co
✓		Brian Kozak	Aflon	804 788 5260
		Frank Lopez	SWRI	804-303-3779
		Vernon Kraemer	Intertek	Brian Kozak @ Afton Chemical Co
		Pete Radtke	LZ	210-522-3845
		JESSE RODRIGUEZ (JESSE)	SWRI	Vernon Kraemer @ Intertek.com
✓		SCOTT PARKER	ASTM TMC	440 347 2184
		Nancy P. Aguirre	Intertek	210 522-2870
✓		CHRIS LONSWAY	SWRI	Nancy Aguirre @ Intertek.com
		ART SANCHEZ	SWRI	647-9428
				440-666-1183
				210-522-5482

ASTM Gear Rating Calibration Workshop
 Attendance Roster
 San Antonio, TX. January 17, 2013

Member	Visitor	Name	Company	Telephone/Fax/Email
		Frank Lopez	SWRI	532-3445
		Bobby Trevino	InterTتك	400-1815
		Nancy Aguilar	InterTتك	
		Pete Radomich	LZ	440 347-2184
		Chris Lonsway	LUBRIZOL	
		Andy Rose	Aflon	
		Pat Adams	Aflon	
		Brian Korak	Aflon	
		SCOTT PARKE	ASTM TMC	
		Vernon Kraemer	InterTتك	210-535-4131
		Jesse (Jesse) Rodriguez	SWRI	
		Art Sanchez	SWRI	210-522-5432

ASTM Gear Rating Calibration Workshop
Attendance Roster
San Antonio, TX. January 16, 2013

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