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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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ASTM Gear Rating Task Force Meeting & Gear Rating Workshop **July 23-25, 2013**

The summer Gear Rating Workshop took place at The Lubrizol Corporation, in Wickliffe, Ohio, on July 23-25 2013.

Attendees:

Brian Foecking
Chris Lonsway
William Potocar
Art Sanchez
Marty Rose
Wes Stocks
Brian Kozak
Tony Barrera
Troy Muransky
Allison Athey
Don Lind
Scott Parke

Mr. Brian Foecking started off the event on Tuesday morning with a brief explanation of our safety and evacuation policies and procedures.

Mr. Scott Parke introduced 2 guests. They were Ms. Allison Athey, Volvo-Mack, and Mr. Troy Muransky, Meritor. He also introduced Mr. Bill Potocar, Lubrizol to the group. This was Bill's first gear workshop. Scott asked if everyone had received the replacement L-42 templates. (The old ones were cloudy) Everyone had received them.

Scott stated that the use of the new L-60 rating jig is **required** for all tests starting with the first reference test on each stand on or after August 1, 2013. It was shipped to everyone early so they could get a chance to use it before the deadline.

We discussed the dates of the next two Gear Rating Workshops. The options were the week of January 13th or the 20th for the winter workshop, and the weeks of July 21st or the 28th for the summer workshop. We decided to give it some thought and make a decision at the closing meeting.

Light meter readings were taken each day before we started rating.

Light #	Meter Readings		
	7/23/13	7/24/13	7/25/13
1	240	224	224
2	258	236	206
3	297	270	258
4	275	258	252
5	270	251	248
6	274	250	250
7	279	258	252
8	336	256	247
9	297	274	246
10	310	284	272
11	251	249	232
12	270	305	279

After the meeting, we began calibration exercises and then did data review after lunch. We then started the "practical application" ratings which took us to the end of the day on Tuesday and continued until lunch on Wednesday. Data and parts review took place after lunch.

We had a discussion about the L-33 definition for rust being 1mm in diameter or one square millimeter. The procedure states that the rust spot shall be less than 1mm in diameter.

After the data review, we packaged the gear sets and set out the "new" sets of L-42 gears that are being considered for the RCMS and started rating those. That took until the end of the day on Wednesday and continued until lunch on Thursday. Also on Wednesday afternoon and Thursday morning, Mr. Marty Rose and Mr. Chris Lonsway set out some field test bearings and seals for us to collaborate on. Marty gave a very informative presentation to the group; this was especially beneficial to Allison and Troy about the different distresses seen on bearings and seals.

The effect of the new rating templates on gears with higher distress was discussed. The largest area on the old template was 53%; on the new template it is 85%. RCMS gears having distress higher than 53% will need to be monitored for any shift and a new target may prove necessary.

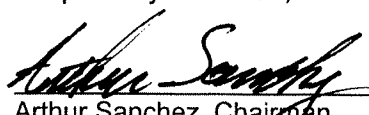
Scott Parke made a suggestion to make the workshops the third full week in January and July, that way we know when the workshops will be in the future without having to decide a date at each workshop. That idea was agreed upon by the group.

Future Gear Workshops	
Date	Location
1/20/2014	Interteck
7/21/2014	Afton
1/19/2015	SouthWest
7/20/2015	Lubrizol

Date = The week of

Art Sanchez asked if there were any more questions or any other business that needed discussion. There was not. Art thanked Scott Parke for running another successful workshop and thanked Lubrizol for their hospitality.

Respectfully submitted,


 Arthur Sanchez, Chairman
 ASTM Gear Rating Task Force

C: Mr. Chris Lonsway, ASTM Gear Rating Task Force Secretary

ASTM GEAR RATING TASKFORCE PANEL MEMBERSHIP

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

<u>MAILING DISTRIBUTION</u>	<u>COMPANY</u>
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Bonewald, John.....	SwRI
Gottwald, Thomas.....	Afton
Gropp, Jerry	Lubrizol
Huron, John.....	Oronite
Koehler, Brian.....	SwRI
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
Cleveland, OH July 23, 2013

Member	Visitor	Name	Company	Telephone/Fax/Email
✓	✗	Brian Kovac	Alfon Chemical	804-363-3779
✓		Mandy Ron	Alfon Chemical	804-788-5374
✓		Tony BARREKA	Intertek A.R.	210-684-2310
✓		B.H. Potocar	Lubrizol	440-347-4568
✓		CHRIS LONSUAY	LUBRIZOL	440-347-4517
✓		Wes Stocks	Alfon	804-788-5317
✓		BRIAN FOECKING	LZ	440 347 2130
	✓	Don Lind	TMC	412-365-1034
	✓	Allison Almy	Valvo	301-573-5804
		Troy Muransky	Meritor	248-435-1409
		SCOTT PARKER	TMC	
✓		Art Savary	SWI	210-522-5432

ASTM Gear Rating Calibration Workshop
Attendance Roster
Cleveland, OH July 24, 2013

Member	Visitor	Name	Company	Telephone/Fax/Email
✓		Tony BARREKA	Intertek A.R.	210-684-2310
✓		CHRIS LONSWAY	LUBRIZOL	
✓		Brian Lockery	LZ	(440) 347 2130
✓		Wes Storkes	Aflon	(804) 788-5317
✓		Brian Korman	Aflon	804-363-3779
✓		Mandy Ross	Aflon	804-388-5374
	✓	Don Lind	TMC	412-365-1034
✓		SCOTT PARKE	TMC	412 365 1036
	✓	Allison Abbey	Velvet	301-573-5684
	✓	Troy Murawski	Meritor	248-435-1409
✓		Bill Kotocak	Lubrizol	440) 347-4568
✓		Art Sanchez	SWI	(210) 522-5432

ASTM Gear Rating Calibration Workshop
Attendance Roster
Cleveland, OH July 25, 2013

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