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### **Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

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April 14th, 2014

Reply to:  
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ASTM D02.B0.03 L-37-1 Next Generation Hardware Task Force  
Members and Guests:

Attached for your review and comment are the unconfirmed minutes of the:

- **April 9th, 2013 Next Generation Hardware Task Force Meeting; Teleconference.**

Please direct any corrections or comments to my attention.

Sincerely,

Chris Prengaman, Chairman  
L-37-1 Hardware Taskforce Chairman

**Report of Meeting**  
**L-37-1 Next Generation Hardware Task Force Meeting**  
**Teleconference**  
***April 9th, 2014 Meeting***

**Attendees:**

Voting Members in **BOLD**

**Parke, Scott – ASTM TMC**

Koglin, Cory – Afton

Chalkley, Jay - Afton

Mike Koehler – Custom Coating

Heim, Scott – Gleason

**Smith, Dale – Intertek Automotive Research**

Trader, Angela – Intertek Automotive Research

**Prengaman, Chris – Lubrizol**

Hamilton, Larry – Lubrizol

Gropp, Jerry – Lubrizol

Umerley, Matt – Lubrizol

Bubonic, Brad – Lubrizol

Koehler, Brian – Southwest Research Institute

The meeting was called to order at 1100 EST.

**1.0 Update & Discussion**

S. Heim shared that both the rings and pinions will be made from 1 batch of steel. Both barstock sizes are available from one heat. Order was expected to be ordered Thursday the 10<sup>th</sup>. This steel will be supplied by Timken. They expect material to be available in early June.

Order Numbers have been updated, see attached table.

The group discussed when to place the Lubriting “batch” in the order list, S. Heim will adjust the timing at the request of the panel to place the Lubriting in the middle of the batch.

S. Heim shared that 40-45 gearsets are heat treated at a time – this batches of heat treated parts are given a Heat Code. Once the parts are roll tested near the end of the production process, they will be serialized using a laser etching process. This marking is visible after the Lubriting process. The group discussed what to call the “batch”.

Gleason was directed to mark the parts as follows:

**“04-2014-XXXX”**

“04-2014” indicates the batch of parts. Being the 4<sup>th</sup> month of 2014 – when the po’s were placed.

“XXXX” an incrementing match code that uniquely identifies that matched ring and pinion.

M. Koehler shared that Custom Coating was planning on submitting all panels to Hinkel for SEM photos just once. Rather than 2 separate runs (since there will be 2 batches of lubrited gears).

C. Prengaman shared that the procedure will be discussed in more detail on May 6<sup>th</sup> after the L-60-1 taskforce meeting.

As of the call, 3 labs have submitted PO’s with Lubrizol being the outstanding lab.

**2.0 Adjournment**

Motion to adjourn.

Respectfully Submitted

Chris Prengaman

	Afton		Intertek		Lubrizol		Southwest				
Sets	Non-Lubrited	Lubrited	Non-Lubrited	Lubrited	Non-Lubrited	Lubrited	Non-Lubrited	Lubrited	Non-Lubrited Total	Lubrited Total	Total Shipment
<b>Ordered</b>	<b>125</b>	<b>100</b>	<b>90</b>	<b>60</b>	<b>250</b>	<b>150</b>	<b>125</b>	<b>75</b>	<b>590</b>	<b>385</b>	<b>975</b>
200	25	25	25	25	25	25	25	25	100	100	200
200	50		50		50		50		200	0	200
200	20	20	15	20	60	25	20	20	115	85	200
200		55		15		100		30	0	200	200
150	30				115		30		175	0	175
<b>Actual</b>	<b>125</b>	<b>100</b>	<b>90</b>	<b>60</b>	<b>250</b>	<b>150</b>	<b>125</b>	<b>75</b>	<b>590</b>	<b>385</b>	<b>975</b>

Note: Gear sets that will be coated from the 3rd & 4th shipments will be sent together to be run in one batch at Custom Coatings.

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