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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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November 24th, 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:

- **October 16th, 2013 Next Generation Hardware Task Force Meeting; The Gleason Works, Rochester NY**

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
Gleason Visit, Rochester NY
October 16th, 2014 Meeting

Attendees:

Voting Members in **BOLD**

Daniel - Afton Chemical

Chalkley, Jay – Afton Chemical

Parke, Scott – ASTM TMC

Heim, Scott – The Gleason Works

Dennis, Mike – The Gleason Works

Reardon, Arthur – The Gleason Works

Trader, Angela – Intertek Automotive Research

Prengaman, Chris – Lubrizol

Gropp, Jerry – Lubrizol

Umerley, Matt – Lubrizol

1.0 Trip Notes

The panel visited The Gleason Works to view the industry order under manufacture. Overall it was a very good visit, and the panel saw parts in all steps of the process.

A number of notes were recorded during the visit.

The grinding wheel is re-dressed after each part during the gear grinding process. 500-600 pieces are able to be ground from 1 wheel. Approximately .005 in of material is targeted for removal at this stage.

In the soft cut stage, every 25 pieces are being CMM. Carbide cutters are used for this soft cut and are replaced about every 100 pieces.

The Heat treat carburizing process takes about 8 hours in the furnace.

The parts are being hand deburred after the soft cut. This is time consuming, and done with a dremmel like tool.

Respectfully Submitted

Chris Prengaman