



**Address** 100 Barr Harbor Drive  
PO Box C700  
W. Conshohocken, PA  
19428-2959 | USA

**Phone** 610.832.9500  
**Fax** 610.832.9666  
**Web** www.astm.org

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

*Chairman:* KENNETH O. HENDERSON, Cannon Instrument Co., 2139 High Tech Road, State College, PA 16803, (814) 353-8000, Fax: (814) 353-8007, e-mail: kenohenderson@worldnet.att.net  
*First Vice-Chairman:* BEN R. BONAZZA, 3457 WOODVALLEY DRIVE, LAPEER, MI 48446 (810) 664-6769 e-mail: bbonazza@charter.net  
*Second Vice-Chairman:* JANET L. LANE, ExxonMobil Research & Engrg., 600 Billingsport Rd, Paulsboro, NJ 08066-0480 (856) 224-3302, Fax: (856) 224-3616, e-mail: janet.l.lane@exxonmobil.com  
*First Secretary:* RALPH A. CHERRILLO, Shell Global Solutions (US) Inc., Westhollow Tech Ctr., 3333 Highway 6 South, Houston, TX 77082 (281) 544-8789, Fax: (281) 544-8150, e-mail: ralph.cherrillo@shell.com  
*Second Secretary:* MICHAEL A. COLLIER, Petroleum Analyzer Co. LP, PO Box 206, Wilmington, IL 60481, (815) 458-0216, Fax: (815) 458-0217, e-mail: Michael.collier@paclp.com  
*Staff Manager:* DAVID R. BRADLEY, (610) 832-9681, Fax: (610) 832-9668, e-mail: dbradley@astm.org

October 20th, 2015

Reply to:  
Chris Prengaman  
The Lubrizol Corporation  
29400 Lakeland Blvd.  
Wickliffe, OH 44092  
(440) 347-4225  
(440) 347-2377 (FAX)  
crpr@lubrizol.com

ASTM D02.B0.03 L-37-1 Surveillance Panel  
Members and Guests:

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

- **October 20th 2015, Surveillance Panel 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 Surveillance Panel Meeting**  
**Teleconference**  
*October 20th, 2015 Meeting*

**Attendees:**

Voting Members in **BOLD**

Bell, Don – Afton Chemical

**Donovan, Eric – Afton Chemical**

Recinos, Will – Afton Chemical

**Guzikowski, Joe – Dana**

Dennis, Mike - Gleason

**Smith, Dale – Intertek Automotive**

Trader, Angela – Intertek Automotive

**Prengaman, Chris – Lubrizol**

Gropp, Jerry – Lubrizol

Umerley, Matt – Lubrizol

**Warden, Rebecca – Southwest Research Institute**

The meeting was called to order at 1500 EST.

### **1.0 Data Discussion**

Data generated to date was discussed.

J. Gropp shared that Lubrizol would be putting work on the alternative break in conditions on hold.

The group discussed contact stresses, the pattern, and the gear design.

M. Dennis shared a brief history of the development. The gearset shares the same ratio, offset and ring gear diameter, but is a completely different design and manufacturing process than the historical Dana gears. The goal of the design was to provide similar surface conditions at the test phase load & speed.

**Motion:**

M. Umerley 1<sup>st</sup> J. Guzikowski 2<sup>nd</sup>.

- 1) Adopt the “Gleason L-37 test” as the replacement for the ASTM D6121 test. The test axle will consist of a pinion and ring manufactured by Gleason installed in a Dana Model 60 housing. The test procedure will consist of the same one-hundred minute gear conditioning phase specified in the ASTM D6121 Test Method, followed by a twenty-four hour gear test phase. The gear test phase will be the same as specified in the ASTM D6121 Test Method, with the exception that the dynamometer load will be 1645 N-m.
  - a. Labs will continue to complete the necessary runs on TMC 134 at these conditions

Motion Approved by voice vote: 4 Approvals, 1 Abstention, 0 Negatives.

*Note: Labs were requested to complete the above testing within the next two weeks if possible.*

The labs were reminded to continue investigating alternative housing options.

### **8.0 Adjournment**

Motion to adjourn.

Respectfully Submitted

Chris Prengaman