



100 Barr Harbor Drive ■ PO Box C700 ■ West Conshohocken, PA 19428-2959  
Telephone: 610-832-9500 ■ Fax: 610-832-9555 ■ e-mail: service@astm.org ■ Website: www.astm.org

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

*Chairman:* W. JAMES BOVER, ExxonMobil Biomedical Sciences Inc, 1545 Route 22 East, PO Box 971, Annandale, NJ 08801-0971, (908) 730-1048, FAX: 908-730-1197, EMail: wjbover@erenj.com  
*First Vice Chairman:* KENNETH O. HENDERSON, Cannon Instrument Co, PO Box 16, State College, PA 16804, (814) 353-8000, Ext: 0265, FAX: 814-353-8007, EMail: kenohenderson@worldnet.att.net  
*Second Vice Chairman:* SALVATORE J. RAND, 221 Flamingo Drive, Fort Myers, FL 33908, (941) 481-4729, FAX: 941-481-4729  
*Secretary:* MICHAEL A. COLLIER, Petroleum Analyzer Co LP, PO Box 206, Wilmington, IL 60481, (815) 458-0216, FAX: 815-458-0217, EMail: macvarlen@aol.com  
*Assistant Secretary:* JANET L. LANE, ExxonMobil Research and Engineering, 600 Billingsport Rd, PO Box 480, Paulsboro, NJ 08066-0480, (856) 224-3302, FAX: 856-224-3616, EMail: janet\_l.lane@email.mobil.com  
*Staff Manager:* DAVID R. BRADLEY, (610) 832-9681, EMail: dbradley@astm.org

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Reply to: Al Lopez  
Intertek Automotive Research  
5404 Bandera Road  
San Antonio, TX 78238  
Phone: 210-647-9465  
Fax: 210-523-4661

### Unapproved Minutes of the March 26, 2009 Sequence IVA Severity Task Force Conference Call

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1. The current status of the industry in terms of calibrated capacity:
  - a. SWRI = 3 stands
  - b. Intertek = 2 stands
  - c. Lubrizol = 1 stand
2. SWRI has experienced a mild shift in two of their 5 stands. They have focused on hardware differences namely the 08 cam batch and assorted followers but have not been successful in identifying a hardware problem. The two mild stands at SWRI have drivelines that are different from the 3 calibrated stands. They will try a driveline change on the mild stands. Torsional vibration effects were discussed. Al to forward a TVA of the Intertek drivelines performed by an outside consultant.

One of the mild stands at SWRI was last referenced on oil 1009. All four test labs that conduct the Sequence IVA have expressed concerns that oil 1009 might not be sensitive to a mild shift, if it would happen to occur. The use of 1009 was suspended in the Sequence IVA test back in January 2009, and at this teleconference it was agreed to keep oil 1009 suspended temporarily, and address the use of oil 1009 at the upcoming Surveillance panel meeting.

3. Intertek has replaced the solid drivelines with damped systems, installed OHT harnesses and adopted the SWRI pcv plumbing and method of measuring blowby. These three changes have resulted in both Intertek stands generating acceptable wear on oils 1006-2 and 1007. Both Intertek stands are calibrated.
4. The group has identified 3 items to e-ballot for acceptance into the procedure. The wording of the motions will be done by Bill Buscher. Below are the items
  - a. Remove the requirement to conduct valve spring measurements
  - b. Cooling system pressurization to 100 kpa
  - c. Allow the use of a IIIG type blowby cart that includes a 1/8 inch needle valve between the intake and the pcv valve
5. In regards to the 1/8 inch shut-off valve in the pcv system that is now being used by the calibrated labs, Buscher found documentation from meetings roughly 10 years ago where the topic was discussed and prepared for approval but the panel forgot to issue an information letter apparently. Bill will forward the discussions he found and word the motion to allow labs to use either method of measuring blowby.
6. The use of oil 1009 as a calibration oil was discussed. The oil will remain suspended from use. The oil can theoretically calibrate a stand that is in fact too mild. The group decided to discuss the fate of 1009 at the surveillance panel meeting.
7. SWRI will send out a cam with worn edges for a measurement round robin.