

Minutes of Sequence VIII Conference Call
February 21, 2008

Chairman Fred Gerhart started the call at 1:30 PM CST.

Roll call was taken with 12 voting members present for the call.

Discussion

- TMC gave a brief overview of severity trends. There is a 1.62 standard deviation (11 mg.) shift severe for TBWL. Calibration per start rate is 17%.
- Panel is in agreement that lead is leaching from the 0306 bearings.
- Would like to see a limited size bearing batch. The 0306 bearings had problems right from the beginning. Milky appearance of PA08, rust on the steel backing of the bearings, and a coating on the copper lead bearing surface were some of the problems.
- 11-93 bearings had Pb levels of 400 ppm before problems occurred.
- Paubla Mexico is only plant location that can produce H24 bearings. For the 0306 bearing production everything was as close to specification as possible. The only difference was a double broach instead of a single broach. Bearings were placed into storage oil (PA08) immediately after production. Plant will now accept minimum order of 500 pieces. Previously the minimum order was 5000 pieces. Estimated eight weeks
- One additive company is of the opinion that 0306 bearings never produced expected results.
- EF-411 is base oil without any additives.
- In April 1993 a study was done on three potential storage oils (PA04, EF411, and mineral oil) at 200 F for 112 hours. Of the three oils, the mineral oil showed the least amount of bearing weight change.
- The large order of 0306 bearings was due to requirement of minimum order of 5000 pieces and the end of life deadline by Federal Mogul on bearings containing lead.
- Root cause is not known for lead leaching
- Panel is divided on batch size.
 - GM – big batch but only do final broach on an annual basis
 - Infineum – small batch of bearings is preferred
 - Lubrizol – wants big batch of bearings.
 - Intertek – limited size bearing batch
 - Federal Mogul – in favor of GM proposal

Motions

Motion 1 – Charlie Leveret / Dwight Bowden ***Cease all Sequence VIII testing until a resolution is brought forward.*** Roll call vote results 3 For / 3 Against / 6 Waives. Motion failed.

Motion 2 – Fred Gerhart / Sid Clark ***Make a limited production run of 0306 bearings. A small task force will try and meet to work out the details of production following the VID lab visits.*** Roll call vote results 10 For / 0 Against / 2 Waive. Motion passed

**ASTM SEQUENCE VIII SURVEILLANCE PANEL
VOTING MEMBERSHIP ATTENDANCE RECORD**

Name	Address	Phone/Fax/Email	Attendance
Knight, Clayton <i>Bishop, Zack</i>	Test Engineering Inc. 12718 Cimarron Path San Antonio, TX 78249-3423	Phone: 210-690-1958 Fax: 210-690-1959 cknight@tei-net.com	✓
Caudill, Timothy	Valvoline 21st and Front Streets Ashland, KY 41101	Phone: 606-329-1960 ext 5708 Fax: 606-329-2044 Tlcaudill@ashland.com	✓
Bowden, Dwight	OH Technologies, Inc. P.O. Box 5039 Mentor, OH 44061-5039	Phone: 440-354-7007 Fax: 440-354-7080 dhbowden@ohtech.com	✓
Buscher, Jr., Bill	Buscher Consulting Services P.O. Box 112 Hopewell Jct., NY 12533	Phone: 845-897-8069 Fax: 845-897-8069 BuschWA@aol.com	
Clark, Sid	GM Powertrain Engine Engineering Building 823 Joslyn Rd. MC 483-730-322 Pontiac, MI 48340-2920	Phone: 248-857-9959 Fax: sidney.l.clark@gm.com	✓
Ritchie, Andy	Infineum P.O. Box 735 1900 East Linden Ave. Linden, NJ 07036-0735	Phone: Fax:	✓
Gerhart, Fred	Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228-0510	Phone: 210-522-3842 Fax: 210-684-7523 fgerhart@swri.org	
Glaenger, David	Afton Chemical 500 Spring Street P.O. Box 2158 Richmond, VA 23218	Phone: 804-788-5214 Fax: 804-788-6358 Dave.Glaenger@aftonchemical.com	✓
Ramono, Ron	FCSD, Service Product Development, SEO Diagnostic Service Center II Room 410 1800 Fairlane Drive Allen Park, MI 48101	Phone: Fax:	
Grundza, Rich	ASTM/TMC 6555 Penn Ave Pittsburgh, PA 15206-4489	Phone: 412-365-1031 Fax: 412-365-1047 reg@astmtmc.cmu.edu	✓
Leverett, Charlie	Intertek 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9422 Fax: 210-523-4607 charlie.leverett@perkinelmer.com	✓
Miranda, Timothy <i>Goldblatt, Erin</i>	BP Lubricants USA 1500 Valley Rd Wayne, NJ 07470	Phone: 973-305-3334 Fax: 973-686-4039 Timothy.Miranda@BP.com	✓
Szappanos, George	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-2631 Fax: 440-347-4096 George.Szappanos@lubrizol.com	✓
Sutherland, Mark	Chevron Oronite Company LLC 4502 Centerview Ste. 210 San Antonio, TX 78228	Phone: 731-5605 Fax: 731-5621 MSUT@chevrontexaco.com	✓

Goldblatt, Erin

Control

**ASTM SEQUENCE VIII SURVEILLANCE PANEL
MOTION # 1 VOTING RECORD**

Name	Address	Phone/Fax/Email	Yes / No/ Waive
Knight, Clayton	Test Engineering Inc. 12718 Cimarron Path San Antonio, TX 78249-3423	Phone: 210-690-1958 Fax: 210-690-1959 cknight@tei-net.com	Yes / No/ Waive
Caudill, Timothy	Valvoline 21st and Front Streets Ashland, KY 41101	Phone: 606-329-1960 ext 5708 Fax: 606-329-2044 Tlcaudill@ashland.com	Yes / No/ Waive
Bowden, Dwight	OH Technologies, Inc. P.O. Box 5039 Mentor, OH 44061-5039	Phone: 440-354-7007 Fax: 440-354-7080 dhbowden@ohtech.com	Yes / No/ Waive
Buscher, Jr., Bill	Buscher Consulting Services P.O. Box 112 Hopewell Jct., NY 12533	Phone: 845-897-8069 Fax: 845-897-8069 BuschWA@aol.com	Yes / No/ Waive
Clark, Sid	GM Powertrain Engine Engineering Building 823 Joslyn Rd. MC 483-730-322 Pontiac, MI 48340-2920	Phone: 248-857-9959 Fax: sidney.l.clark@gm.com	Yes / No/ Waive
Ritchie, Andy	Infineum P.O. Box 735 1900 East Linden Ave. Linden, NJ 07036-0735	Phone: Fax:	Yes / No / Waive
Gerhart, Fred	Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228-0510	Phone: 210-522-3842 Fax: 210-684-7523 fgerhart@swri.org	Yes / No / Waive
Glaenger, David	Afton Chemical 500 Spring Street P.O. Box 2158 Richmond, VA 23218	Phone: 804-788-5214 Fax: 804-788-6358 Dave.Glaenger@aftonchemical.com	Yes / No/ Waive
Ramono, Ron	FCSD, Service Product Development, SEO Diagnostic Service Center II Room 410 1800 Fairlane Drive Allen Park, MI 48101	Phone: Fax:	Yes / No/ Waive
Grundza, Rich	ASTM/TMC 6555 Penn Ave Pittsburgh, PA 15206-4489	Phone: 412-365-1031 Fax: 412-365-1047 reg@astmtmc.cmu.edu	Yes / No/ Waive
Leverett, Charlie	Intertek 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9422 Fax: 210-523-4607 charlie.leverett@perkinelmer.com	Yes / No/ Waive
Miranda, Timothy	BP Lubricants USA 1500 Valley Rd Wayne, NJ 07470	Phone: 973-305-3334 Fax: 973-686-4039 Timothy.Miranda@BP.com	Yes / No/ Waive
Szappanos, George	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-2631 Fax: 440-347-4096 George.Szappanos@lubrizol.com	Yes / No/ Waive
Sutherland, Mark	Chevron Oronite Company LLC 4502 Centerview Ste. 210 San Antonio, TX 78228	Phone: 731-5605 Fax: 731-5621 MSUT@chevrontexaco.com	Yes, No / Waive

3 / 3 / 6

Failed

**ASTM SEQUENCE VIII SURVEILLANCE PANEL
MOTION # 2 VOTING RECORD**

Name	Address	Phone/Fax/Email	Yes / No/ Waive
Knight, Clayton	Test Engineering Inc. 12718 Cimarron Path San Antonio, TX 78249-3423	Phone: 210-690-1958 Fax: 210-690-1959 cknight@tei-net.com	<u>Yes</u> / No/ Waive
Caudill, Timothy	Valvoline 21st and Front Streets Ashland, KY 41101	Phone: 606-329-1960 ext 5708 Fax: 606-329-2044 Tlcaudill@ashland.com	<u>Yes</u> / No/ Waive
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Clark, Sid	GM Powertrain Engine Engineering Building 823 Joslyn Rd. MC 483-730-322 Pontiac, MI 48340-2920	Phone: 248-857-9959 Fax: sidney.l.clark@gm.com	<u>Yes</u> / No/ Waive
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Sutherland, Mark	Chevron Oronite Company LLC 4502 Centerview Ste. 210 San Antonio, TX 78228	Phone: 731-5605 Fax: 731-5621 MSUT@chevrontexaco.com	<u>Yes</u> / No/ Waive

10 For 2 Waives

Passed