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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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December 4, 2002

Please forward any comments to:

Charlie Leverett

PerkinElmer Automotive Research

Email: charlie.leverett@perkinelmer.com

Unconfirmed Minutes from the ASTM Sequence VIII Surveillance Panel Held in San Antonio, TX November 19, 2002

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Call to Order

Chairman Fred Gerhart opened the Surveillance Panel (SP) and the agenda was distributed and is shown in *Attachment #1*.

Select Action Item and Motion Recorder

Ben Weber of Southwest Research Institute, was the action item and motion recorder for this Surveillance Panel meeting. Charlie Leverett of PerkinElmer AR is the permanent VIII secretary. The attendance roster is shown in *Attachment #2*. 9 of 15 voting members were present along with 7 guests.

Approval of Minutes

The minutes for the May 2002 meeting were unanimously approved as-is. Minutes including this meeting will no longer be mailed, it was decided that they would be posted on the TMC Web Site at:

<ftp://ftp.astmtmc.cmu.edu/docs/gas>

These minutes will be in a pdf format. Any questions concerning the access of these documents should be directed to TMC. Once these minutes are posted the

secretary will inform all members and others currently on the mailing list by Email of these postings. Please forward any changes that may occur to your Email address to:

charlie.leverett@perkinelmer.com

TMC Report

Frank Farber presented the Semiannual Reports for the Sequence VIII. The Sequence VIII report for this period may be found on the TMC web site at the following link:

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceviii/semiannualreports/>

A summary of this report is:

- Laboratory/Stand distribution shows three labs, one of these three did not have any activity during this period.

Calibration Start Outcomes	TMC Validity Code	No. of Tests
Operationally and Statistically Acceptable	AC	10
Failed Acceptance Criteria	OC	2
Stand/Engine failed to successfully calibrate, engine abandoned and data pulled	MC	0
Operationally Invalid (Laboratory Judgment)	LC	1
Operationally Invalid (Laboratory & TMC Judgment)	RC	0
Aborted	XC	1
Total		13

Bearing Weight Loss (BWL)

The Industry BWL Δ/s is -0.88 mild for this period. This equates to a shift of -2.0 mg. in reported units.

RSI Report

Rick Oliver gave this report, a copy may be found in *Attachment #3*.

CPD Report

1. Beto Araiza of TEI gave this report a copy may be found in *Attachment # 4*. The CPD requested guidance on whether to continue providing 8620 crankshafts, or switch to another material called 4340. The SP responded by asking the CPD to keep the 8620

crankshafts on hand until there is some donated test results on 4340 available to judge there acceptance. Currently there are two 8620 crankshafts available.

Beto was asked to supply the Bearing Weight Change data from bearings in storage.

Fuel Supplier Report (Seq. VIII)

Jim Carter of Haltermann gave the report. The last large batch is depleted, Jim requested that they be allowed to blend this fuel on as needed bases, after much discussion the panel approved this. *[Motion by Dwight Bowden and Jim Carter] Haltermann will make KA24E fuel in smaller batches (2,000 – 20,000 gallons) on an as needed basis to eliminate the storage costs for producing large batches. Haltermann will attempt to consolidate orders when possible. Approximately delivery time from order date is 3 weeks. Passed unanimously.*

A summary of available inventory as-of Sept. 11th and usage is shown below:

KA24E – VIII

SEPTEMBER 30, 2002

SALEABLE GALLONS AT HALTERMANN PRODUCTS 5,393

GALLONS SHIPPED SIX MONTH PERIOD
10/01/2001 – 3/31/2002 11,199

AVERAGE USAGE PER MONTH 1,867

NUMBER OF MONTHS OF INVENTORY ON HAND 2

NOTE: INVENTORY DEPLETED AS OF 11-8-02.

Old Business

- a.) There are two tests outstanding from one lab on RO 1009, the panel decided to instruct TMC not to issue any RO assignments until the lab met their commitment.
- b.) The panel requested that TMC continue it Strip Viscosity Investigation.

New Business

- a.) The Chairman asked the question concerning the need for semi-annual Seq. VIII meetings. *[Motion by Charlie L and Fred G] At least one month prior to the semi-annual scheduled SP meeting, the chairman will poll the group to determine if the VIII SP meeting will be held. [Comment from B1 chair: I need this information at least three months prior to our meeting because of hotel meeting room reservations/guarantees]*

b.) Action items and motions are shown in *Attachment #5*.

Review of Scope and Objectives

The Scope and Objectives for this panel are shown in *Attachment #6*.

Adjournment

Meeting was adjourned at approx. 11:00.

ATTACHMENT #1

Sequence VIII November 2002 Surveillance Panel Agenda
San Antonio, Texas
Embassy Suites Hotel
November 19, 2002 – 10 AM

1. Call to Order - Fred Gerhart
2. Secretary Items - Charlie Leverett
 - Motion and Action Item Recorder
 - Membership Changes
 - Attendance Sign-in
 - Approval of Minutes from May 2002
3. TMC Report - Mike Kasimirsky
4. RSI Report - Rick Oliver
5. CPD Report - Beto Araiza
6. Fuel Supplier Report
7. Old Business
 - 1009 Donated Reference Test Results - Mike Kasimirsky
 - Strip Viscosity Investigation - Mike Kasimirsky
8. New Business
9. Review Scope & Objectives
10. Next Meeting - Fred Gerhart
11. Adjournment

Attachment #2

Araiza, Beto	Test Engineering Inc. 12718 Cimarron Path San Antonio, TX 78249-3423	Phone: 210-877-0222 Fax: 210-690-1959 baraiza@testeng.com	Present
Caudill, Timothy	Valvoline 21st and Front Streets Ashland, KY 41101	Phone: 606-329-5708 Fax: 606-329-3009 Tlcaudill@ashland.com	Present
Bowden, Dwight	OH Technologies, Inc. P.O. Box 5039 Mentor, OH 44061-5039	Phone: 440-354-7007 Fax: 440-354-7080 dhwbowden@ohtech.com	Present
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	Present
Clark, Sid	General Motors Research & Development 30500 Mound Rd./MC 480-106-160 Warren, MI 48090-9055	Phone: 586-986-1929 Fax: 586-986-2094 sidney.l.clark@gm.com	
Farnsworth, Gordon	Infineum P.O. Box 735 1900 East Linden Ave. Linden, NJ 07036-0735	Phone: 908-474-3351 Fax: 908-474-3637 gordon.farnsworth@infineum.com	Present
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	Present
Glaenger, David	Ethyl Research Center 500 Spring Street P.O. Box 2158 Richmond, VA 23218	Phone: 804-788-5214 Fax: 804-788-6358 Dave_Glaenger@ethyl.com	
Jecewski, Barry	Ford Motor Company 21500 Oakwood Blvd POEE Bldg Rm DR 167 MD 44 Dearborn, MI 48121-2053	Phone: 313-594-6943 Fax: 313-845-3169 Bjecewsk@ford.com	Present
Kasmirsky, Michael	ASTM/TMC 6555 Penn Ave Pittsburgh, PA 15206-4489	Phone: 412-365-1033 Fax: 412-365-1047 mtk@astmtmc.cmu.edu	
Leverett, Charlie	PerkinElmer Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9422 Fax: 210-523-4607 charlie.leverett@perkinelmer.com	Present
Moffa, John	Castrol International Whitchurch Hill Pangbourne Reading, Berkshire RG8 7QR,	Phone: 011-44-118-976-5263 Fax: 011-44-118-984-1095 moffaj@castrol.com	
Mosher, Mark	ExxonMobil 600 Billingsport Road Paulsboro, NJ 08066	Phone: 856-224-2132 Fax: 856-224-3628 mark_r_mosher@exxonmobil.com	
Nahumck, William	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-2596 Fax: 440-347-9013 wmn@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	Present

Non voting members and guests:

Rick Oliver, Rich Grundza, Jason Bowden, Jon Carlson, Clayton Knight, Jim Carter and Ben Weber

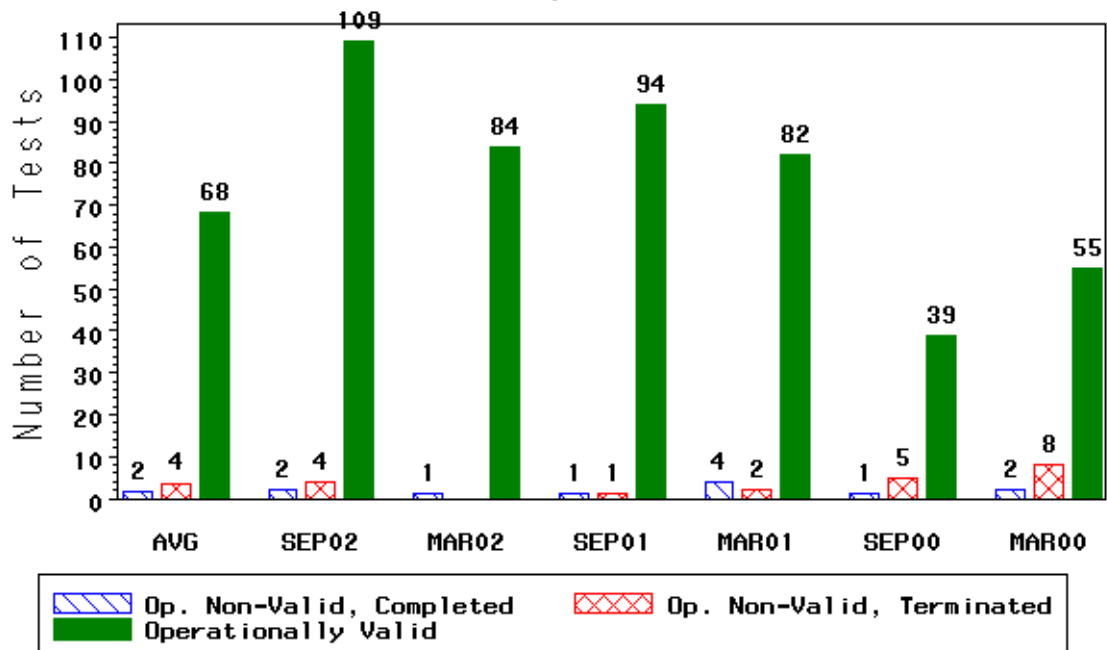
Attachment #3
RSI Sequence VIII Semi-Annual Report
Six-Month Period Ending September 30, 2002

STATUS OF REPORTED TESTS		
STATUS	N	PERCENT
Operationally Non-Valid, Terminated	4	3.5%
Operationally Non-Valid, Completed	2	1.7%
Operationally Valid	109	94.8%
<i>Total Reported Tests</i>	<i>115</i>	<i>100.0%</i>
CAUSES FOR LOST TESTS		
		N
Control Problems	1	
Engine Mechanical Problems	3	
Operator Error	1	

SEQUENCE VIII PRECISION	
COMPONENTS OF REPLICATED DATA BASE	N
Number of Tests	No Replicate Data for the Report Period

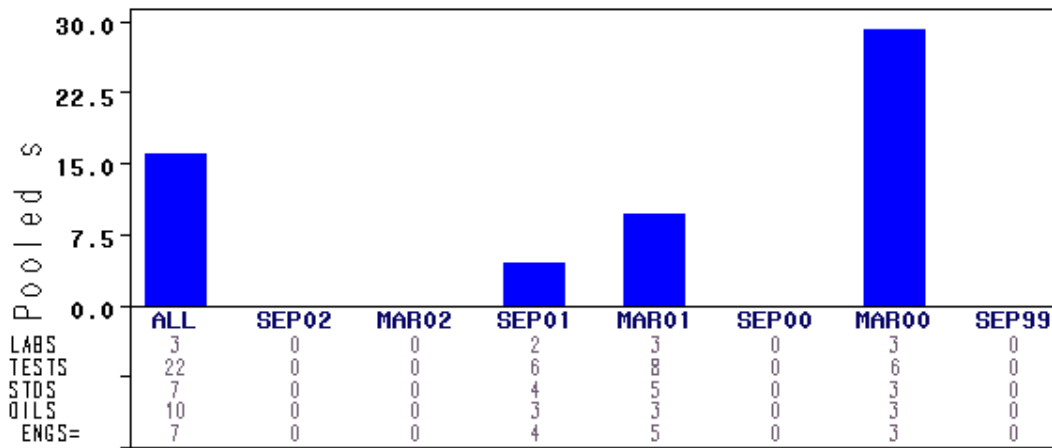
Sequence VIII

Status of Reported Tests



Sequence VIII Candidate Precision

Operationally Valid, Adjusted Data



PARAMETER: ■ BWL

Attachment #4
(CPD Report)

L-38 / VIII Meeting
November 12, 2002
CPD Report



- **8620 Crankshafts Available**
- **Current Bearing Batch is 11-93 Lot 9**

Attachment #5

Motions & Action Items

Sequence VIII Surveillance Panel

November 19, 2002

As Recorded at the Meeting by Ben Weber

2. The TMC report was unanimously accepted as presented.
3. 1009 has only three of the five runs donated to date. The five runs were to be completed by October 2002 as previously agreed to in May 2002. The SP decided to direct TMC to withhold reference oil requests from any laboratory that hasn't completed their 1009 donated run.
4. The RSI report was unanimously accepted as presented.
5. The CPD requested guidance on whether to continue providing 8620 crankshafts, or switch to another material called 4340. The SP responded by asking the CPD to keep the 8620 crankshafts on hand until there is some donated test results on 4340 available to judge there acceptance. The CPD was requested to supply their bearing weight change data on currently available lots, this is data to determine if a weight change is occurring while in the storage fluid. Currently there are two 8620 crankshafts available.
6. [Motion by Dwight Bowden and Jim Carter] Haltermann will make KA24E fuel in smaller batches (2,000 – 20,000 gallons) on an as needed basis to eliminate the storage costs for producing large batches. Haltermann will attempt to consolidate orders when possible. Approximately delivery time from order date is 3 weeks. Passed unanimously.
7. [Motion by Charlie L and Fred G] At least one month prior to the semi-annual scheduled SP meeting, the chairman will poll the group to determine if the VIII SP meeting will be held. [Comment from B1 chair: I need this information at least three months prior to our meeting because of hotel meeting room reservations/guarantees]

Attachment #6

SEQUENCE VIII SURVEILLANCE PANEL SCOPE AND OBJECTIVES

SCOPE

The Sequence VIII Surveillance Panel is responsible for the surveillance of the Sequence VIII test procedure (ASTM D 6709-01). This panel works in conjunction with Test Engineering Inc. (TEI) who supplies the test hardware. Improvements in the test operation, test monitoring, and test validation will be accomplished through continual communications with the test hardware supplier, the ASTM Test Monitoring Center, the Technical Guidance Committee, and the ACC Monitoring Agency.

The panel will maintain an up-to-date evaluation of the precision of the VIII reference oils and will report this precision and test severity levels to D02.BO.01 Oil Classification Panel and section. These combined efforts will help to assure that the Sequence VIII test method will continue to provide the industry with a precise method for evaluating a lubricant's ability to protect against copper-lead bearing weight loss and to evaluate the viscosity stability of multi-viscosity-grade oils.

OBJECTIVES

Bring reference oil 1009 into the VIII LTMS	May 2003
Continual monitoring of strip viscosity with annual round robin conducted by TMC.	On Going
Generate data on 4340 crankshaft	November 2003