

ASTM Test Monitoring Executive Committee Meeting  
June 22, 2015

Marriott Hotel  
Ft. Lauderdale, FL

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### **Call to Order**

ASTM D02.B0.08, the Test Monitoring Executive Committee, met on Monday, June 22, 2015 at 5:00 p.m. at the Marriott Hotel in Ft. Lauderdale, FL. There were six voting members present, two voting members who dialed in, two non-voting members and 15 visitors present. The attendance list is shown as Attachment A.

#### Committee Voting Members

Steve Kennedy, Present  
Allison Athey, Not Present  
Ron Romano, Dial-in  
Eric Johnson, Present  
Jerry Gropp, Present  
Doyle Boese, Present  
Jason Bowden, Dial-in  
Steve Kirby, Not Present  
Bob Campbell, Present

The agenda is shown as Attachment B.

#### Meeting Minutes

December 8, 2014 meeting minutes approved.

#### Membership

The following members were elected for a 2-year term beginning January 1, 2015 since the last meeting.

Steve Kennedy  
Allison Athey  
Ron Romano  
Bob Campbell

Robert Stockwell recently changed employers and was replaced with Eric Johnson who will complete Robert's remaining term to complete in December 2015.

Allison Athey has moved to a new position within Volvo and will not be able to serve as an executive committee member so a ballot has been submitted to elect Jason Anderson to complete Allison's remaining term that ends December 2016. The ballot should close at the end of July. The table below shows all current members, their terms and eligibility for additional terms. Producers are denoted as 'P'

and Users are denoted as ‘U’. General Interest is marked with ‘G’. The committee is balanced with four users and 4 producers with one general interest seat.

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Steve Kennedy			P	P	P	P	P	P						
Allison Athey							U	U						
Ron Romano	U	U	U	U	U	U	U	U						
Stephen Kirby						U	U							
Eric Johnson						U	U							
Bob Campbell							P	P						
Jerry Gropp						P	P							
Doyle Boese						P	P							
Jason Bowden				G	G	G	G							

 Eligibility

**Technical Guidance Committee (TGC) Report**

Bill Buscher presented the TGC report below. No activity has occurred since last period. Bill will be stepping down as chairman as of this meeting. Anybody wishing to assume the Technical Guidance Committee leadership should contact Steve Kennedy or Frank Farber. Bill’s report was accepted.

**ASTM**  
**TECHNICAL GUIDANCE COMMITTEE**

**Semi-Annual Report**

Presented by  
**William A. Buscher III**

Updated June 30, 2015

**TGC Semi-Annual Report**


- No face-to-face TGC meetings were conducted in the past 6 months
- No TGC task force meetings or conference calls were conducted in the past 6 months
- No full committee activity in the past 6 months
- As of today’s Executive Committee meeting, Bill Buscher will be stepping down as TGC chair
  - Bill can provide recommendations for a replacement if requested

## Test Monitoring Center Report

Frank Farber presented the Test Monitoring Center report as shown below.

### Test Monitoring Center Report


- ▶ June 22, 2015
- ▶ Ft. Lauderdale, FL



### TMC Fiscal Net Performance\*


- ▶ Fiscal Year 2012 \$ 144,627
- ▶ Fiscal Year 2013 \$ 71,312
- ▶ Fiscal Year 2014 \$ 2,829

\* From independent audit report




### FY 2015 TMC Budget Estimates / Projections

- ▶ Budget revenue includes GF-6 Matrix income:
  - ? Sequence IIIH
  - ? Sequence IVB
  - ? Sequence VH
  - ? Sequence VIE
  - ? Chain Wear
  - ? LSPI
- ▶ Projected expenses will be close to budget




### 20 Information Letters Passed Sub B Ballot

Test Area	No.	Issued	Subject
VID	1-2	11/9/2014	1. Standardized wording describing the role of the TMC 2. Additional Oil Pan Displacement Block
ISB	1-4-3	11/10/2014	Corrected Annotation of FIG. A-4.7 - Thermocouple Insertion Depth
VG	1-4-5	11/10/2014	1. Additional AFB Monitoring Dewar 2. Modification to Figure 7 3. Standardized wording describing the role of the TMC
VIN	1-4-3	11/11/2014	Standardized wording describing the role of the TMC
VA	1-4-1	11/13/2014	Standardized wording describing the role of the TMC
BIG	1-4-4	11/17/2014	Standardized wording describing the role of the TMC
HF	1-4-3	1/23/2015	Standardized wording describing the role of the TMC
HF	1-5-1	1/22/2015	Use of Hardened Valve Seat Heads for Multiple Tests
BIG	1-5-1	1/22/2015	Use of Hardened Valve Seat Heads for Multiple Tests
T-8	1-5-1	1/23/2015	T-8 Timing Changes - Clarification and Intercooler Information Update
T-11	1-5-1	1/27/2015	T-11 Intercooler Requirement Change
T-12	1-5-1	1/27/2015	T-12 Intercooler Requirement Change
C-13	1-5-1	2/4/2015	ECM Software P/N Update
L-60-1	1-5-1	2/4/2015	Wring Seal Assembly Instruction
1K/1N	1-5-1	2/20/2015	Changes to 1N Top Groove Fill and Top Land Heavy Carbon Reporting
L-60-1	1-5-2	3/17/2015	Wording regarding warmup time and test validity
L-37	1-5-1	3/17/2015	Cracked tooth definition
1K/1N	1-5-2	4/6/2015	Changes to 1N Top Groove Fill and Top Land Heavy Carbon Reporting
ISB	1-5-1	4/6/2015	Changes to ATWL & ACSW Correction Factors for Batch K cams and Batch D tappets
U-2	1-5-1	5/1/2015	1. Alternate transmission and universal joint part numbers 2. Editorial: Ratine manual name, calibration period run number

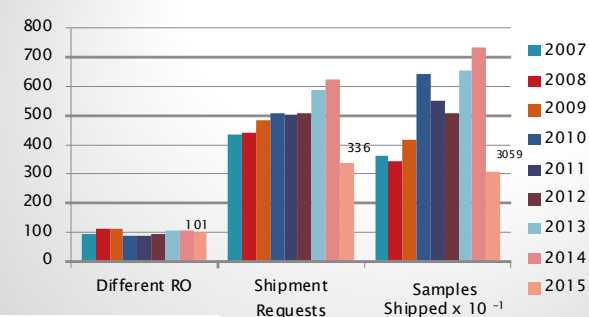


### Reference Oil Procurement


Test Type	Oil Code	Quantity (gallons)
T-8	1005-5	3850
GF-6 Matrix	1011	1375
EOWT/EOFT	79	1026
EOWT/EOFT	77-3	900
T-13	823	1908
COAT	832	1166
COAT	833	1152
Sequence VID/VIE	5W30T1	55
HTCBT	44-4	55
C13/SB	831-3	972

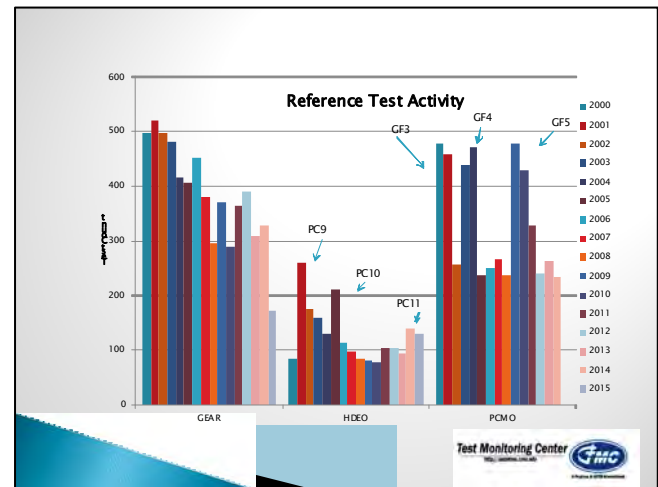
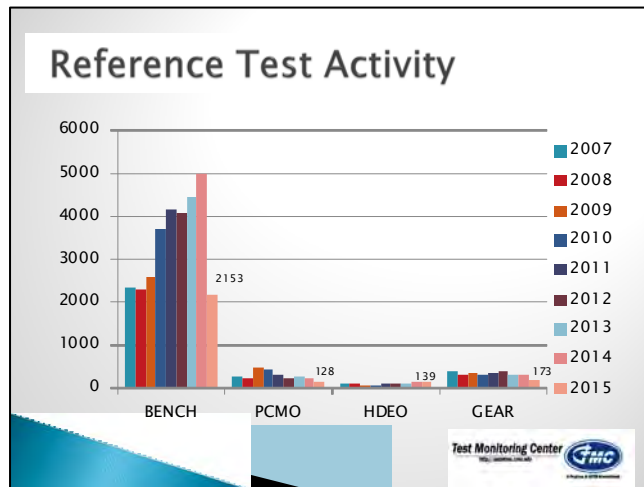


### Reference Oil Shipment Overview



Year	Different RO	Shipment Requests	Samples Shipped x 10 <sup>-1</sup>
2007	~100	~100	~100
2008	~101	~101	~101
2009	~100	~100	~100
2010	~100	~100	~100
2011	~100	~100	~100
2012	~100	~100	~100
2013	~100	~100	~100
2014	~336	~336	3059
2015	~100	~100	~100





### Other Items

- ▶ Sub B Ballots for ASTM Executive Committee Elections Approved
  - ? Period is for January 1, 2015 – December 31, 2016
  - ? Ron Romano – User
  - ? Allison Athey – User
  - ? Steve Kennedy – Producer
  - ? Bob Campbell – Producer
- ? Eric Johnson to finish out Robert Stockwell's term (ends December 31, 2015)

Test Monitoring Center  
TMC

### Other Items

- ▶ PC-11 BOI & VGRA Matrix
- ▶ GF-6 Precision Matrix
- ▶ Gear LRI requested TMC perform operational review of tests brought to LRI (post August LRI)
- ▶ B10 Request for Report Form SI conformance
  - ? Kinematic Viscosity, cSt → mm<sup>2</sup>/s (1:1 conversion)
  - ? ICP, ppm → mg/kg (1:1 conversion)
  - ? Oil Consumption, g/KWh → kg/MJ (D4485 footnote)
- ▶ TMC procuring re-blend of Sequence VI baseline & flush oils

Test Monitoring Center  
TMC

Expectations are that GF-6 and PC-11 BOI/VGRA matrix testing will begin 3<sup>rd</sup> quarter. The TMC reserve is currently at 16.3 months.

Discussion over the B10 request to review report form parameters for SI unit conformance yielded concern over the oil consumption SI units. Consensus was that kg/MJ would not be well received by the surveillance panels. The kinematic viscosity and ICP unit change was less of a concern since the conversion is 1:1. However, footnotes indicating the conversion are recommended. Each surveillance panel will need to approve any changes to the units.

There was no Data Communications Committee activity this period.

### Old Business

No old business.


### New Business

Frank Farber presented the following slides regarding deposit & distress rating manuals currently supplied by ASTM International. ASTM has had responsibility for stocking and selling rating material since 2008 when they received industry inventory of rating materials. Tim Brooke from ASTM noted that sales of rating manuals and aids are low volume items. The cost of resupplying inventory has been significant. This year ASTM has work in progress that requires \$40,600 for 500 of the rust/varnish/lacquer scales. Tim has requested the scales and other rating items be moved to the TMC. The suggestion by ASTM was for the TMC to absorb this expense. The TMC is concerned with man-

power and funding to support moving any of the rating materials in-house and recommends further executive committee discussion before anything is done. This agenda item was tabled so that ASTM could further review their cost structure, inventory and determine the availability of original source material needed to re-produce inventory. The TMC will offer its technical assistance in this process.


## Deposit /Distress Manuals & Rating Aids

▶ June 22, 2015  
▶ Ft. Lauderdale, FL




## Rating Aids/Manuals History

- ▶ CRC < 2007
- ▶ SAE 2007 -2008
- ▶ ASTM 2008 <

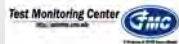


## Current Manuals & Rating Aids


Item	Description	Price
TMC Manual 20	Deposit Rating Manual	\$62
TMC Manual 21	Distress Rating Manual	\$21
TMC Supplemental Valve Photographs	Intake Valve photographic scale in increments of 0.1 units from 10.0 to 8.5.	\$147
TMC Rust/Varnish/Lacquer Rating Scale	Intensity scale used for both gasoline & diesel engines and other lubricant related deposits.	\$125
TMC Sludge Depth Scale (Photographic)	For non-measurable sludge deposits from "1AA" through "6C" levels	\$30
TMC Sludge Depth Gauge (Metal)	For measurable sludge deposits from "C" through "J" levels of deposits	\$30
TMC Photographs for Gear Distress	Typical examples of "Riding", "Ripping" and "Wear" from 10.0 (Trace) to 3.0 (Heavy) in 1.0 units of distress	\$91
TMC Valve Lifter Varnish Rating Scale	Hydraulic Lifter foot deposit rating and ranging from 9.5 to 2.0 metal valve.	\$30
TMC Rating Scale for Spalling	Geometric images designed to assist in determining spalling severity from 9.0 (Trace) through 3.0 (Heavy)	\$30
TMC L-42 Scoring Template (Transparency)	These rating aids are designed to assist in determining percent area breakdown of the L-42 gears.	\$102
TMC L-60-1 (Template for Percent Area Breakdown)	These rating aids are designed to assist in determining percent area breakdown of L-60-1 gears. (Baton Models GA-34 and GA-50)	\$30
TMC Gear Fleet Form on Disk	Light & Heavy duty axle & transmission inspection form required by LR and recommended for all other inspections.	\$30
L-33-1 Area #2 Rating Template	L-33-1 Area #2 Rating Template (set of 4, two positives and two transparencies)	\$68



Title	Description and Format	ASTM Inventory on Hand (June 17, 2015)	Average Sales per year	How long will inventory last?	Cost to Produce	Cost to Store in Warehouse (per year)
Rust/Varnish/Lacquer Rating Scale	Laminated copy. ASTM has a spreadsheet of values used to produce the scales. Part of TMC MNL 20.	99	111	Less than 1 year (currently being reproduced)	\$40,000 for quantity of 500 in 2015 (W/P)	\$112
TMC Sludge Depth Scale (Photographic)	Laminated copy. No master file available for reproduction.	486	80	6 years	Have not reproduced yet. No quote at this time.	\$112
TMC Manual 20	Binder full of laminated pages.	68	9	7.5 years	\$7,180 for quantity of 155 in 2015 (Inventory already reflects this)	\$112
TMC Manual 21	Binder full of laminated pages.	39	3	10 years or more	\$7,000 for quantity of 50 in 2009	\$112
TMC Supplemental Valve Photographs 8.5-10.0	Laminated copy. Part of TMC MNL 20.	47	1	10 years or more	?	\$112
TMC Sludge Depth Gauge (Metal)	Piece of Metal. Part of TMC MNL 20.	22	6	3.5 years	RF Quote, no cost provided to date	\$112

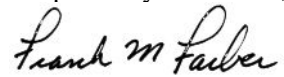


Title	Description and Format	ASTM Inventory on Hand (June 17, 2015)	Average Sales per year	How long will inventory last?	Cost to Produce	Cost to Store in Warehouse (per year)
TMC Photographs for Gear Distress	Laminated copy. ASTM has originals on disc. Part of TMC MNL 21.	17	0	10 years or more	?	\$112
TMC Valve Lifter Varnish Rating Scale	Laminated copy	60	0	10 years or more	?	\$112
Rating Scale for Spalling (Set of 2)	Laminated copy. Part of TMC MNL 21.	116	3	10 years or more	?	\$112
L-42 Scoring Template (Transparency)	Transparency. Part of TMC MNL 21	30	0	10 years or more	?	\$112
L-60-1 (Template for Percent Area Breakdown)	Laminated copy. Part of TMC MNL 21.	115	1	10 years or more	?	\$112
Gear Fleet Form on Disk	Disk with Excel spreadsheet	4	2	2 years	?	\$112
L-33-1 Area #2 Rating Template	Two positives and two transparencies. Part of TMC MNL 21	33	2	10 years or more	?	\$112



The meeting ended at 6:00 pm.

Respectfully submitted,

A handwritten signature in black ink that reads "Frank M. Farber". The signature is written in a cursive style with a large, prominent 'F' and 'M'.

Frank M. Farber, Secretary  
ASTM Test Monitoring Executive Committee

Attachments

FMF/fmf

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Voting Members

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NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
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Visitors

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A Richters Infineum

**ASTM EXECUTIVE COMMITTEE MEETING**  
**Monday – June 22, 2015**  
**5:00 - 6:30 PM**  
Marriott Harbor Beach Resort, Ft. Lauderdale, FL

**AGENDA**

- 1. Call to Order**
- 2. Approval of Minutes - December 8, 2014**
- 3. Membership**
- 4. Receive, Accept and Take Action on Reports**
  - Technical Guidance Committee – Bill Buscher III**
  - Test Monitoring Center – Frank Farber**
  - Data Communications Committee – Frank Farber**
- 5. Old Business**
- 6. New Business - Rating Manuals & Aids**
- 7. Next Meeting – Monday, December 7, 2015 Austin, TX**
- 8. Adjournment**