



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](http://www.astm.org)

---

COMMITTEE D02 ON PETROLEUM PRODUCTS, LIQUID FUELS, AND LUBRICANTS

*CHAIRMAN:* RANDY F JENNINGS, TENNESSEE DEPT OF AGRIC, P O BOX 40627, NASHVILLE, TN 37204, UNITED STATES (615) 837-5327, FAX: (615) 837-5335, E-MAIL: RANDY.JENNINGS@TN.GOV  
*FIRST VICE CHAIRMAN:* JAMES J SIMNICK, BP AMERICA, 150 W WARRENVILLE RD, NAPERVILLE, IL 60563, UNITED STATES (630) 420-5936, FAX: (630) 420-4831, E-MAIL: SIMNICJJ@BP.COM  
*SECOND VICE CHAIRMAN:* MICHAEL A COLLIER, PETROLEUM ANALYZER CO LP, 21114 HWY 113, CUSTER PARK, IL 60481, UNITED STATES (815) 458-0216, FAX: (815) 458-0217, E-MAIL: MICHAEL.COLLIER@PACLP.COM  
*SECOND SECRETARY:* HIND M ABI-AKAR, CATERPILLAR INC, BLDG H3000, OLD GALENA ROAD, MOSSVILLE, IL 61552, UNITED STATES (309) 578-9553, E-MAIL: ABI-AKAR\_HIND@CAT.COM  
*SECRETARY:* SCOTT FENWICK, NATIONAL BIODIESEL BOARD, PO BOX 104848, JEFFERSON CITY, MO 65110-4898, UNITED STATES (800) 841-5849, FAX: (537) 635-7913, E-MAIL: SFENWICK@BIODIESEL.ORG  
*STAFF MANAGER:* ALYSON FICK, (610) 832-9681, FAX: (610) 832-9668, E-MAIL: AFICK@ASTM.ORG

Issued: 11.21.2019  
Reply to: Dan Worcester  
Southwest Research Institute  
6220 Culebra Rd.  
San Antonio, TX 78238  
Phone: 210.522.2405  
Email: [dworcester@swri.org](mailto:dworcester@swri.org)

These are the unapproved minutes of the 11.12.2019 Sequence VI Conference Call.

This document is not an ASTM standard; it is under consideration within an ASTM technical committee but has not received all approvals required to become an ASTM standard. It shall not be reproduced or circulated or quoted, in whole or in part, outside of ASTM committee activities except with the approval of the chairman of the committee having jurisdiction and the president of the society. Copyright ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

The meeting was called to order at 10:05 PM Central Time by Chair Andrew Stevens.

- 1.0 The Agenda is Attachment 1.
- 2.0 Roll Call. Attendance is Attachment 2. There were no member changes. There were 17 voting members so this meeting had a quorum.

### 3.0 Old Business

3.1 The minutes for the 10.25.2019 call were approved unanimously.

3.2 Those minutes are posted on the TMC site.

3.3 Dan Worcester presented a revised motion to change the method to clean and protect the new cylinder heads. That motion is included as Attachment 3.

3.3.1 There was discussion about parts storage. The heads and short block are stored as kits, but the right cylinder heads were made at a later time to meet the industry needs for build kits. See Attachment 4 to see a comparison of the coating. Discussion is that the heads were dipped rather than sprayed and that would lead to coating in many oil and coolant passages.

3.3.2 There was also discussion on how the motion would be applied. One lab did not wish to use the process and Ron wanted it applied to all or none. Adrian noted that early chemical analysis indicated the coating was removed during Break-In. There was also discussion that the failures may be due to low viscosity oils in the VIF test. The two failures at SwRI were on VIF tests. The motion was tabled.

3.3.3 This led to a discussion on what should happen to an engine that ran an oil with a viscosity below 0W-16. The IVB can run calibrated low viscosity tests but not run higher viscosity oils on the same engine. For each registration, the formulator would provide information to ensure what viscosity grade would be run.

#### **Motion:**

For Seq VIF tests, sponsor will provide KV40, KV100 and viscosity grade results to the lab. Engines that have run an oil below a viscosity grade of SAE 0W-16 are not allowed to run a subsequent test with an oil at a higher viscosity grade.

Robert, Ron. 13 yes, 1 waive. The motion passed.

3.4 A Subcommittee B Ballot is being processed to vote on the alternate fuel supplier method.

The meeting adjourned at 11:07 AM Central Time.

# Sequence VI Surveillance Panel Call Meeting Agenda November 11, 2019 @ 11:00-12:30 EST

## Webex Meeting Details Below Agenda

### 1. Roll Call (start 11:05 EST)

1.1. *SP Membership changes and additions*

### 2. Old Business

|     |  |                |
|-----|--|----------------|
| 2.1 | Approve meeting minutes from 10/2 call | Andrew Stevens |
|-----|--|----------------|

### 3. New Business

|     |  |               |
|-----|--|---------------|
| 3.1 | Discussion about pre-test parts cleaning | Dan Worcester |
|-----|--|---------------|

### 4. Next Meeting

4.1. *SP Meeting: TBD*

### 5. Meeting Adjourned

## ***Meeting Information***

Meeting link:

<https://lubrizol-1586.my.webex.com/lubrizol-1586.my/j.php?MTID=m199c3ec3e90e0d00146b419e27528b53>

Meeting number:

627 116 447

Password:

JET8excs

Host key:

276656

## ***More ways to join***

Join by video system

Dial 627116447@lubrizol-1586.my.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

+1-510-338-9438 USA Toll

Access code: 627 116 447

[Global call-in numbers](#)

**ASTM SEQUENCE VI**

| Name | Email | Company | Attend |
|------|-------|---------|--------|
|------|-------|---------|--------|

**VOTING MEMBERS**

|                    |  |            |        |
|--------------------|--|------------|--------|
| Adrian Alfonso     | <a href="mailto:Adrian.Alfonso@intertek.com">Adrian.Alfonso@intertek.com</a>               | Intertek   | ATTEND |
| Jason Bowden       | <a href="mailto:jhbowden@ohtech.com">jhbowden@ohtech.com</a>                               | OHT        | MATT   |
| Kevin Brodwater    | <a href="mailto:KBrodwater@chevron.com">KBrodwater@chevron.com</a>                         | Chevron    | ROBERT |
| Jim Carter         | <a href="mailto:jcarter@gageproducts.com">jcarter@gageproducts.com</a>                     | Gage       | ATTEND |
| Aleise Gauer       | <a href="mailto:aleise.gauer@gm.com">aleise.gauer@gm.com</a>                               | GM         | TIM    |
| Rich Grundza       | <a href="mailto:reg@astmtmc.cmu.edu">reg@astmtmc.cmu.edu</a>                               | TMC        | ATTEND |
| Jeff Hsu           | <a href="mailto:j.hsu@shell.com">j.hsu@shell.com</a>                                       | Shell      | ATTEND |
| Teri Kowalski      | <a href="mailto:Teri.Kowalski@tema.toyota.com">Teri.Kowalski@tema.toyota.com</a>           | Toyota     |        |
| Tracey King        | <a href="mailto:TKing@h-c-s-group.com">TKing@h-c-s-group.com</a>                           | CS Group   | ATTEND |
| Dan Lanctot        | <a href="mailto:dlanctot@tei-net.com">dlanctot@tei-net.com</a>                             | TEI        | ATTEND |
| Ben Maddock        | <a href="mailto:Ben.Maddock@AftonChemical.com">Ben.Maddock@AftonChemical.com</a>           | Afton      | ATTEND |
| Brianne Hockkeppel | <a href="mailto:Brianne.Pentz@bp.com">Brianne.Pentz@bp.com</a>                             | BP         | NICK   |
| Andy Ritchie       | <a href="mailto:Andrew.Ritchie@infineum.com">Andrew.Ritchie@infineum.com</a>               | Infineum   |        |
| Ron Romano         | <a href="mailto:rromano@ford.com">rromano@ford.com</a>                                     | Ford       | ATTEND |
| Clifford Salvesen  | <a href="mailto:Clifford.R.Salvesen@exxonmobil.com">Clifford.R.Salvesen@exxonmobil.com</a> | ExxonMobil | ATTEND |
| Amol Savant        | <a href="mailto:acsavant@valvoline.com">acsavant@valvoline.com</a>                         | Valvoline  | ATTEND |
| Andrew Stevens     | <a href="mailto:andrew.stevens@Lubrizol.com">andrew.stevens@Lubrizol.com</a>               | Lubrizol   | ATTEND |
| Haiying Tang       | <a href="mailto:HT146@Chrysler.com">HT146@Chrysler.com</a>                                 | Chrysler   |        |
| Prasad Tumati      | <a href="mailto:ptumati@jhaltermann.com">ptumati@jhaltermann.com</a>                       | Haltermann | ATTEND |
| Dan Worcester      | <a href="mailto:Dan.Worcester@swri.org">Dan.Worcester@swri.org</a>                         | SwRI       | ATTEND |

**ASTM SEQUENCE VI**

| Name               | Email  | Company   | Attend |
|--------------------|--|-----------|--------|
| Ed Altman          | <a href="mailto:Ed.Altman@aftonchemical.com">Ed.Altman@aftonchemical.com</a>                 | Afton     |        |
| Bill Anderson      | <a href="mailto:Bill.anderson@aftonchemical.com">Bill.anderson@aftonchemical.com</a>         | Afton     |        |
| Bob Campbell       | <a href="mailto:Bob.Campbell@aftonchemical.com">Bob.Campbell@aftonchemical.com</a>           | Afton     | ATTEND |
| Lisa Dingwell      | <a href="mailto:Lisa.Dingwell@AftonChemical.com">Lisa.Dingwell@AftonChemical.com</a>         | Afton     |        |
| Todd Dvorak        | <a href="mailto:Todd.Dvorak@aftonchemical.com">Todd.Dvorak@aftonchemical.com</a>             | Afton     |        |
| Terry Hoffman      | <a href="mailto:Terry.Hoffman@aftonchemical.com">Terry.Hoffman@aftonchemical.com</a>         | Afton     |        |
| Christian Porter   | <a href="mailto:Christian.Porter@aftonchemical.com">Christian.Porter@aftonchemical.com</a>   | Afton     |        |
| Jeremy Styer       | <a href="mailto:Jeremy.Styer@aftonchemical.com">Jeremy.Styer@aftonchemical.com</a>           | Afton     |        |
| Tisha Joy          | <a href="mailto:Tisha.Joy@bp.com">Tisha.Joy@bp.com</a>                                       | BP        |        |
| Michael Blumenfeld | <a href="mailto:Michael.l.Blumenfeld@exxonmobil.com">Michael.l.Blumenfeld@exxonmobil.com</a> | EM        |        |
| Andy Buczynsky     | <a href="mailto:Andrew.Buczynsky@gm.com">Andrew.Buczynsky@gm.com</a>                         | GM        |        |
| Tim Cushing        | <a href="mailto:Tim.Cushing@GM.com">Tim.Cushing@GM.com</a>                                   | GM        | ATTEND |
| Michael Raney      | <a href="mailto:Michael.p.Raney@gm.com">Michael.p.Raney@gm.com</a>                           | GM        | ATTEND |
| Doyle Boese        | <a href="mailto:Doyle.Boese@infineum.com">Doyle.Boese@infineum.com</a>                       | Infineum  |        |
| Charlie Leverett   | <a href="mailto:Charlie.Leverett@yahoo.com">Charlie.Leverett@yahoo.com</a>                   | Infineum  |        |
| Mike McMillan      | <a href="mailto:mmcmillan123@comcast.net">mmcmillan123@comcast.net</a>                       | Infineum  |        |
| Jordan Pastor      | <a href="mailto:Jordan.Pastor@Infineum.com">Jordan.Pastor@Infineum.com</a>                   | Infineum  |        |
| William Buscher    | <a href="mailto:William.Buscher@intertek.com">William.Buscher@intertek.com</a>               | Intertek  |        |
| Martin Chadwick    | <a href="mailto:Martin.Chadwick@intertek.com">Martin.Chadwick@intertek.com</a>               | Intertek  |        |
| Al Lopez           | <a href="mailto:Al.Lopez@intertek.com">Al.Lopez@intertek.com</a>                             | Intertek  |        |
| Mike Noriega       | <a href="mailto:Mike.Noriega@intertek.com">Mike.Noriega@intertek.com</a>                     | Intertek  |        |
| Addison Schweitzer | <a href="mailto:Addison.Schweitzer@intertek.com">Addison.Schweitzer@intertek.com</a>         | Intertek  |        |
| Scott Rajala       | <a href="mailto:srajala@ILAcorp.com">srajala@ILAcorp.com</a>                                 | Idemitsu  |        |
| Dave Passmore      | <a href="mailto:dpassmore@imtsind.com">dpassmore@imtsind.com</a>                             | IMTS      |        |
| Jerry Brys         | <a href="mailto:Jerome.Brys@lubrizol.com">Jerome.Brys@lubrizol.com</a>                       | Lubrizol  |        |
| Tony Jang          | <a href="mailto:Tony.Jang@Lubrizol.com">Tony.Jang@Lubrizol.com</a>                           | Lubrizol  |        |
| Joe Gleason        | <a href="mailto:Jog1@lubrizol.com">Jog1@lubrizol.com</a>                                     | Lubrizol  |        |
| James Matasik      | <a href="mailto:James.Matasik@lubrizol.com">James.Matasik@lubrizol.com</a>                   | Lubrizol  |        |
| Greg Miranda       | <a href="mailto:Greg.Miranda@Lubrizol.com">Greg.Miranda@Lubrizol.com</a>                     | Lubrizol  |        |
| Kevin O'Malley     | <a href="mailto:Kevin.OMalley@lubrizol.com">Kevin.OMalley@lubrizol.com</a>                   | Lubrizol  |        |
| Chris Castanien    | <a href="mailto:Chris.Castanien@neste.com">Chris.Castanien@neste.com</a>                     | Neste     |        |
| Dwight Bowden      | <a href="mailto:dhbowden@ohtech.com">dhbowden@ohtech.com</a>                                 | OHT       |        |
| Matt Bowden        | <a href="mailto:mjbowden@ohtech.com">mjbowden@ohtech.com</a>                                 | OHT       | ATTEND |
| Ricardo Affinito   | <a href="mailto:affinito@chevron.com">affinito@chevron.com</a>                               | Oronite   |        |
| Ian Elliot         | <a href="mailto:IanElliott@chevron.com">IanElliott@chevron.com</a>                           | Oronite   |        |
| Jo Martinez        | <a href="mailto:jogm@chevron.com">jogm@chevron.com</a>                                       | Oronite   |        |
| Robert Stockwell   | <a href="mailto:rsto@chevron.com">rsto@chevron.com</a>                                       | Oronite   | ATTEND |
| Don Smolenski      | <a href="mailto:Donald.Smolenski@gmail.com">Donald.Smolenski@gmail.com</a>                   | Strategic |        |
| Dan Engstrom       | <a href="mailto:daniel.engstrom@swRI.org">daniel.engstrom@swRI.org</a>                       | SwRI      |        |
| Travis Kostan      | <a href="mailto:Travis.Kostan@swRI.org">Travis.Kostan@swRI.org</a>                           | SwRI      |        |

## ASTM SEQUENCE VI

| Name            | Email  | Company           | Attend |
|-----------------|--|-------------------|--------|
| Patrick Lang    | <a href="mailto:Patrick.Lang@swRI.org">Patrick.Lang@swRI.org</a>                             | SwRI              |        |
| Michael Lochte  | <a href="mailto:mlochte@swri.org">mlochte@swri.org</a>                                       | SwRI              |        |
| Karen Haumann   | <a href="mailto:Karen.Haumann@shell.com">Karen.Haumann@shell.com</a>                         | Shell             |        |
| Charles VanCamp | <a href="mailto:charles.VanCamp@gm.com">charles.VanCamp@gm.com</a>                           | CPW               |        |
| Jeff Clark      | <a href="mailto:jac@astmtmc.cmu.edu">jac@astmtmc.cmu.edu</a>                                 | TMC               |        |
| Hirano Satoshi  | <a href="mailto:Satoshi_Hirano_aa@mail.toyota.co.jp">Satoshi_Hirano_aa@mail.toyota.co.jp</a> | Toyota            |        |
| Mark Adams      | <a href="mailto:mark@tribologytesting.com">mark@tribologytesting.com</a>                     | Tribology Testing |        |
| Timothy Caudill | <a href="mailto:Tlcaudill@valvoline.com">Tlcaudill@valvoline.com</a>                         | Valvoline         |        |
| Thom Smith      | <a href="mailto:trsmith@valvoline.com">trsmith@valvoline.com</a>                             | Valvoline         |        |
| Hap Thompson    | <a href="mailto:Hapjthom@aol.com">Hapjthom@aol.com</a>                                       | VIx Facilitator   |        |
| Chris Taylor    | <a href="mailto:Chris.Taylor@vpracingfuels.com">Chris.Taylor@vpracingfuels.com</a>           | VP Racing Fuels   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |
|                 |  |                   |        |

|                |                                      |  |  |  |
|----------------|--------------------------------------|--|--|--|
| <b>MOTION:</b> | <b>0W-8 OIL USE<br/>IN AN ENGINE</b> |  |  |  |
|----------------|--------------------------------------|--|--|--|

**ASTM SEQUENCE VI**

| Name               | Email         | Company | Attend |
|--------------------|---------------|---------|--------|
| Adrian Alfonso     | APPROVE       |         |        |
| Jason Bowden       |               |         |        |
| Kevin Brodwater    | ROBERT FOR    |         |        |
| Jim Carter         | APPROVE       |         |        |
| Aleise Gauer       | TIM FOR       |         |        |
| Rich Grundza       | WAIVE         |         |        |
| Jeff Hsu           | APPROVE       |         |        |
| Teri Kowalski      |               |         |        |
| Tracey King        | APPROVE       |         |        |
| Dan Lanctot        |               |         |        |
| Ben Maddock        | APPROVE       |         |        |
| Brianne Hockkeppel | NICK FOR      |         |        |
| Andy Ritchie       |               |         |        |
| Ron Romano         | APPROVE       |         |        |
| Clifford Salvesen  |               |         |        |
| Amol Savant        | APPROVE       |         |        |
| Andrew Stevens     | APPROVE       |         |        |
| Haiying Tang       |               |         |        |
| Prasad Tumati      | APPROVE       |         |        |
| Dan Worcester      | APPROVE       |         |        |
| 14 TOTAL           | 13 Y, 1 WAIVE |         |        |

|                |  |  |  |  |
|----------------|--|--|--|--|
| <b>MOTION:</b> |  |  |  |  |
| Adrian Alfonso |  |  |  |  |
| Jason Bowden   |  |  |  |  |



**ASTM SEQUENCE VI**

| Name               | Email | Company | Attend |
|--------------------|-------|---------|--------|
| Kevin Brodwater    |       |         |        |
| Jim Carter         |       |         |        |
| Aleise Gauer       |       |         |        |
| Rich Grundza       |       |         |        |
| Jeff Hsu           |       |         |        |
| Teri Kowalski      |       |         |        |
| Tracey King        |       |         |        |
| Dan Lanctot        |       |         |        |
| Ben Maddock        |       |         |        |
| Brianne Hockkeppel |       |         |        |
| Andy Ritchie       |       |         |        |
| Ron Romano         |       |         |        |
| Clifford Salvesen  |       |         |        |
| Amol Savant        |       |         |        |
| Andrew Stevens     |       |         |        |
| Haiying Tang       |       |         |        |
| Prasad Tumati      |       |         |        |
| Dan Worcester      |       |         |        |
|                    |       |         |        |

MOTION #1: Recommend to the Surveillance Panel the following changes to the clean and prep procedures:

A17.1.2 Spray parts with solvent, soak for 15 min to 30 min and repeat spray with solvent. Repeat this process as necessary until Corrosion Protective Coating (CPC) is removed from the assembled cylinder head. Two iterations have been found to be sufficient. Remove all cam caps and intake and exhaust cams. Clean head bores, cams and caps. Coat with Baseline Oil, install cams and torque cam caps.

MOTION #2: A17.2.3 After air dry, wipe cylinder walls with Baseline Oil while rotating engine to cover all wall area.

Dan Worcester







