

**From:** [Deegan, Michael \(M.D.\)](#)  
**To:** [Matasic, James](#); [Dan Arcy \(dan.arcy@shell.com\)](#); [Calcut, Brent](#); [Breece, Donald](#); [Ansari, Matthew \(ANSA\)](#); [Robert Stockwell](#); [Hoempler, Brighid B](#); [Suzanne Neal \(suzanne.neal@daimler.com\)](#); [Balch, Christine](#); [Koglin, Cory](#); [Pastor, Jofran](#); [Loop, John](#); [Jean-Claude Duho](#); [Romano, Ron \(R.\)](#); [Wingert, Dean \(D.\)](#); [Sid Clark](#); [Sean Moyer](#); [Frank Farber](#); [Dennis Bachelder](#); [Luc Girard](#); [Brass, David](#); [Mark Jarrett](#); [andrew.c.smith@intertek.com](#); [Alfonso Lopez Intertek](#); [Warden, Robert W.](#); [Starling, Jose Y.](#); [Joyce, Patrick](#); [Tia Sutton](#); [Hind Abi-Akar \(abi-akar\\_hind@cat.com\)](#); [Ryan F Denton](#); [Daniel Kozub](#); [DeBaun, Heather J](#); [Meryn Hopp](#); [Barbara E. Goodrich \(GoodrichBarbaraE@JohnDeere.com\)](#); [bengt.otterholm@volvo.com](#); [Patrick Holmes \(patrick.holmes@volvo.com\)](#); [Campbell, Bob](#); [Amol Savant](#); [Christian.Porter@AftonChemical.com](#); [Omole, Imona](#); [Cooper, Mark \(MAWC\)](#); [Lee, David S](#); [Kostan, Travis G.](#); [Gutzwiller, James](#)  
**Cc:** [Joshua Ward Intertek](#); [Edward Murphy](#); [Whitacre, Shawn D](#); [Jetter, Steven M](#); [Goodale, Jacob](#); [lgirard@sanjuroconsulting.com](#); [McLaughlin, Michael](#); [Hong.Gao@shell.com](#); [Pablo A. Ramirez Intertek](#)  
**Subject:** RE: Ford Valve Train Wear Initial Task Force Meeting Minutes 6/16/2020  
**Date:** Tuesday, June 16, 2020 14:20:38

---

6/16/2020 Minutes:

Reviewed Data from completed Lab Test with New Procedure. PDF's to be uploaded to TMC site.

Reviewed Operational comparison between labs.

- Procedure was run same as previously without the soot phase, wear phase only, road tube (no PCV/CCV) and Pump Fuel.
- Request to review engine components to track the torque loss over length of test: Injector, turbo, other.
- Request to understand the engine rpm results from SwRI.
- Reviewed changes to fuel injector timing to manage soot correction to meet targets.
- Remaining operational comparisons between the (2) labs was acceptable. Additional review with questions and comments to follow.

Review soot load and wear results-see attached Excel file on 'Initial HWO Results-Comparison' Tab for Rocker Arm results.

- Soot load tracked 2% below previous testing. See TMC data for overall results.
- Slightly higher wear noted on the new SwRI rocker arm ASSY's and push rods for the New HWO Test at SWRI as compared to previous HWO tests.
- Follow-up on higher Fe noted in this test relative to previous tests.
  - Core Team to review Fe wear change between tests.
  - Additional testing at both labs may provide additional information.
  - Comparison to previous wear patterns on both push rods and rocker arms required.

Engine failure at labs slowing progress.

- Due to engine failures, due to possible contamination issues, Team has decided to do a complete teardown, cleaning and rebuild on new engines. Engines will have only the valvetrain/heads R&R'd between tests.

Review overall Test Status.

Timing to manage completion of HWO/LWO at each lab.

- Intertek starting Break-in on the next engine for HWO and PC-10 fuel. Test to take approx. (2) weeks.
- SwRI starting rebuild for LWO Run on pump fuel.

Finalize procedure and prepare for PM.

Current Draft Procedure & new PDF of overall Procedure added 3/24/2020:

**[MailScanner has detected a possible fraud attempt from "urldefense.proofpoint.com" claiming to be http://www.astmtmc.cmu.edu/ftp/docs/diesel/ford/procedure\\_and\\_ils/fvtw/draft/](http://www.astmtmc.cmu.edu/ftp/docs/diesel/ford/procedure_and_ils/fvtw/draft/)**

[http://www.astmtmc.cmu.edu/ftp/docs/diesel/ford/procedure\\_and\\_ils/](http://www.astmtmc.cmu.edu/ftp/docs/diesel/ford/procedure_and_ils/)

Data & PowerPoint from last (4) Tests based on above procedure:

<http://www.astmtmc.cmu.edu/ftp/refdata/diesel/fvtw/data/Operational%20Data/210%20Hr%20Prove%20Out%20Testing/>

Sincerely,

*M. D. Deegan*

Michael D. Deegan

Ford Customer Service Division,  
Lubricant Service Product Development Engineer  
Suite 200 Room N030  
17225 Federal Drive, Allen Park, MI 48101  
Phone: (313)805-8942

--

This message was scanned by ESVA and is believed to be clean.  
[Click here to report this message as spam.](#)