Sequence X Surveillance Panel Meeting in San Antonio
Tuesday 14th November, 2017

Written By: Jason Soto

Agenda:

- Attendance sign-in sheet
- Motion an Action Recorder
- Motion to Accept the minutes from the last meeting (http://www.astmtmc.cmu.edu/ftp/docs/gas/chainwear/minutes/CWT%20Task%20Force%20Minutes%2020161117.pdf)
- Test Operational Review
    - Operational Studies – Jo Martinez
    - Additional Test Operational Review – Kevin O'Mally
- LTMS Presentation
- ACC Appendix K Review (Optional)
- Motion to Accept The Ford Chain Wear Test
- Hardware Update
    - Engine Purchase
    - BC Piston Ring Order
- New Business – TGC Alternate Supplier Protocol
- Next Meeting
- Adjourn

Meeting Minutes:

- Motion- To accept the Meeting Minutes from 10/27/2017.
    - Proposed: Al Lopez
    - Seconded: Ron Romano
    - Motion approved (13/0/2)

- Test Operational Review
    - The data review for all tests with the "proposed" blowby system were accepted.
    - A recommendation was made to create a task force to review the data in more detail. The goal of the task force would be to find a potential correlation to chain stretch.
    - It was observed that Lab G is showing higher oil consumption than the other two labs (A and D). Lab G to investigate.
    - Oils appear to discriminate based on oil content. Tests with highest iron level are not always from higher run engines.

Chain Wear PM and PostPM Operational D

- LTMS Review
  - The review focused on using a lab based or stand based LTMS and whether or not to include oil 1011 as a reference oil.
  - No statistical differences were found between stands in each lab based on the limited data set. Potential differences may be found with additional data points.
  - Motion- To have a stand based system based on the current LTMS review.
    - Proposed: Al Lopez
    - Seconded: Ron Romano
    - Motion approved (13/0/2)
    - Agreement 1: Keep oil TMC 1011as a reference oil. To be run half the amount of time as both other reference oils. 270 (40%) 271 (40%) 1011 (20%)
    - Agreement 2: Reference interval will be 15 full length non-reference tests or 6 months.
  - Motion- To accept the LTMS documented for implementation presented in the minutes. Effective date 11/28/17.
    - Proposed: Rich Grundza
    - Seconded: Al Lopez
    - Motion approved (13/0/2)


CWT (X) LTMS Examples 20171114.p


X (CWT) LTMS Summary 20171113 s

- ACC Appendix K
  - Document was updated and included in minutes.


Sequence X - Appendix K.DOCX

- Motion- The Sequence X (Chain Wear) Task force has established the LTMS system, secured hardware supply, test fuel and reference oils for a test procedure that measures the performance of passenger car motor oil in chain stretch. The Task Force recommends to the Passenger Car Engine Oil Classification Panel, the Auto Oil Advisory Panel and the American Chemistry Council that the test is ready for inclusion in ILSAC GF6 and that the Sequence X (Chain Wear) Procedure be published as an ASTM method.
  - Proposed: Al Lopez
  - Seconded: Robert Stockwell
  - Motion approved (13/0/2)

- Motion- Calibration date can begin no sooner than March 19th 2016 with the first 2 calibration tests in a new stand being no more than 6 months apart.
  - Proposed: Jim Matasic
  - Seconded: Rich Grundza
  - Motion approved (13/0/2)

Action Items

1. Form a task force to review operational data in more detail and find potential correlation to chain stretch.
2. Lab G to investigate why it has higher oil consumption than the other two labs that participated in the precision matrix. All labs are to compare dipstick levels and double check conversion from dipstick level to oil pan volume.
3. Update test reports to include batch numbers for critical parts. ACC Appendix K section D.2.5 requires the identification and documentation of critical parts.

Hardware Update

- BC pistons are the official piston batch for Sequence X.
- Solicitation for engines in process – labs have turned in orders
- Solicitation for BC piston and BS rings in process – labs are putting orders together

Next Meeting:

- Houston ASTM