

# ASTM Chain Wear Task Force Conference Call

## Friday 3rd February, 2017

Written By: Al Lopez

### Hardware Update:

- 2014 Design pistons are on schedule to be delivered to the labs in February.
- FCS has issued a solicitation for hardware. This solicitation includes all engine components. A separate solicitation will be issued for another engine purchase.
  - Ron informed us that the chain tensioner that is on the solicitation will require a lifetime buy since it will be going out of production.
  - A meeting will be scheduled to organize the purchase and meet minimum order quantities.
  - The orders are due March 15<sup>th</sup>.
  - Attached is the solicitation.



FCS Quote\_2.0L-Oil  
Test Labs.xlsx

### Data Review – Statistician Report

- Jo Martinez presented the statistician report.
- Attached is the updated report that includes changes to the plots on stand run order.
- Additional tests are required to use original batch 2014 hardware.
- Felt from SWRI requested a development team meeting to make sure all labs are conducting equivalent tests. A meeting was scheduled to review op data and blowby stack dimensions. The concern is that there may be differences that have not been addressed and Felt wants to make sure the tests conducted are valid. Felt is on board with conducting the required tests as indicated in the presentation.
- Christian from Afton has prepared a 2014 engine to run in his matrix stand. For a second stand he has ready to test it is more feasible to run a 2016 engine in parallel. This plan of dual hardware at Afton would result in usable data from the precision matrix stand only. The stats group communicated that a change in hardware will exclude the data. Christian wishes to discuss options before committing to run the requested oils.
- IAR will conduct the two 1011 runs as indicated in the plot.
- LZ has prepared a 2014 engine and will conduct 2 tests to supplement our data set.
- All test starts are pending review of the current operational data.



Chain Wear Matrix  
Supplement 020317.i

**Operational Review:**

- Below is the link to the plots that Kevin and Travis made for us to review. The group agreed to table the discussion and have a dedicated development team meeting for this.
- Location: <ftp://ftp.astmtmc.cmu.edu/refdata/gas/cwt/plots/>

**Next Meeting:**

- Operational review meeting 02/08/2017.