

Seq. IIIH Severity Task Force

Teleconference

Wednesday, February 1, 2017

09:00 – 10:00 EST

1.) Attendance

Ed Altman, Bob Campbell, Jeff Betz, Amol Savant, George Szappanos, Addison Schweitzer, Ankit Chaudhry, Mike Lochte, Pat Lang, MAHLE, Jason Bowden, Matt Bowden

2.) Chairmen Comments- Jason Bowden

Thank you to MAHLE for your support in this effort.

3.) OHT Update on BC4 pistons- Jason Bowden

Batch Code 4 pistons are currently in the manufacturing process with an expected delivery date to OHT the 3rd week of March 2017. There has been significant work between OHT and our vendor reviewing existing print tolerances that were used during the Seq. IIIH development. After inspection by our vendor of BC1, BC2 and BC3 hardware confirmed that pistons met print tolerances, we immediately began reviewing all print tolerances to determine if any tolerances could be modified with the intent of trying to minimize even further any possible difference between batches.

Through extensive review, the manufacturer has determined they can modify certain tolerances which include cast shift, crown chamfer and ring groove edge breaks with the intent of trying to replicate the BC2 pistons, based on the BC2 sample inspection data. The manufacturer has determined that they cannot modify the tolerances any further beyond the modifications being put in place for BC4, as these tolerances are already very tight. They have provided their best effort to help us attain our goal of closely replicating the BC2 sample hardware.

4.) Discussion/Questions for OHT and OHT's vendor –All

There were several general discussions with regards to production, etc. A question was asked as to whether the ring groove waviness could be tightened as well. The manufacturer has reviewed this information and determined that they cannot modify the existing tolerances for this parameter.

OHT's vendor confirmed with the group that there is dedicated tooling and all operators are highly trained.

The group asked if a sample of the BC4 pistons or a prototype set of pistons made to the new drawing could be provided ahead of the receipt of the full batch of BC4 pistons. OHT agreed to review this with the manufacturer and provide an update at our next task force conference call scheduled for Thursday, Feb. 2nd.

The group inquired if there are additional experts from FCA that could also provide input on the effects of piston design and blow-by, their input would be welcome.

5.) **Action Items moving forward-** All

- a. Determine if prototype pistons made to the new drawing or sample pistons from BC4 could be provided and what the lead-time would be. - OHT

6.) **Next Meeting – February 2, 2017 (9:00- 11:00 EST)**

7.) **Meeting Adjourned at 10:00 am**