

# Sequence VIE/F Engine Rebuild Task Force

## Call Agenda

January 19<sup>th</sup> @ 8:00 AM CST

Call-in number: (800)391-9177

Conference Code: 4875645502

### Scope:

The ASTM Sequence VI Surveillance Panel requested a Task Force be formed to explore the possibility of extending the life of the Sequence VIE specially built General Motors (GM) 3.6 L (LY7) engine. New engines will be built from new GM assembled short blocks and other new and used individual components.

### Objective:

The Task Force will:

- Review GM's proposal of building new VIE engines from new GM assembled short blocks and new GM individual components.
- Determine total quantity of engines needed.
- Determine parts availability and acquisition for new engine build. Coordinate with OHT and GM.
- Determine which used parts from used VIE engines will be needed for new engine builds.
- Determine availability of these used parts and develop inspection and selection criteria.
- Inspect and select used parts for use in new engine builds (each lab will be responsible for this task).
- Develop and implement a standardized build procedure (engine assembly manual).
- Determine stand availability for testing lab built engines.
- Develop a test plan to prove out lab built engines.
- Report results, conclusions and recommendations to Sequence VI SP.

The agenda for this meeting is shown below, if you have any additions please send them to me and Cc this distribution.

### 1.0 Roll Call

Do we have any membership changes or additions?

### 2.0 Approval of Minutes from meeting 12/15/2016.

[ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE\\_FEngine%20RebuildTaskForce20161215.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20161215.pdf)

Adrian, Matt Bowden, Unanimous

### 3.0 Action Item Review

- 3.1 Adrian will develop a timeline for completing the scope of this TF – **Completed/can change based on Stats input on prove out recommendation.**
- 3.2 Adrian to contact stats group about prove out test design – **In progress, 4 labs 1 stand each will participate**
- 3.3 Scott will send quotes for more kits/pricing. **See 5.1.**
- 3.5 Scott will create documentation necessary for dealers to be able to accept cores. **See 5.1.**
- 3.6 Adrian to survey Labs for participation on prove out. **Completed**

4 labs agreed to participate in the prove-out with one stand. One lab completed two tests which have been reported to TMC and will continue to participate by running up to two more tests. I will approach the stats group to proceed with prove out development.

#### 4.0 Old Business

- 4.1 Review fixed phasors reuse, inspection procedure. SwRI noticed wear on the back of the fixed gears, suggested making grooves on the back to allow oil circulation.
- 4.2 Should rework/repairs be allowed, follow up after rebuild workshop.
- 4.3 Adrian will verify the head rebuild parts list by disassembling and checking head components. Hold, this might not be needed since new heads are now available.

#### 5.0 New Business

5.1 Status of -2 short block engine parts, Solicitation Letter and core returns.

CCA needs a list of dealers and contact information of the parts manager to explain how to handle this especial situation. Only long blocks from OHT and heads have cores. Long blocks and heads have to be returned in original packaging. Short blocks do not have a core charge.

The rest/remaining heads are expected to arrive by the end of January 2017. Once the heads arrive Scott will work on quotes and solicitation letters. Gaskets will be purchased directly from the source. All gaskets will be one run, same batch. 5% extra will be acquire just in case replacements are needed. A supplemental kit (same as supplemental kit for OHT engines with missing parts) will be created. The supplemental kit will be priced separately from the engine assembly kit.

Two labs have not answer OHT about authorizing re-distribution of engine allocation. Labs that require short block engines swaps for OHT -2 engines shall negotiate the agreement directly with the lab that will receive the OHT allocation.

#### 6.0 Review of action items.

- Adrian will proceed to contact stats group about prove out
- Adrian will work with SwRI on fixed gears groove and lubrication

#### 7.0 Schedule for next conference call.

TBD