

# Sequence VIE/F Engine Rebuild Task Force

## Call Agenda

March 2<sup>nd</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 1/19/2017.

[ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE\\_FEngine%20RebuildTaskForce20170119.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20170119.pdf)

**Motion: Adrian, Second: Jason, Vote: 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~~ – **Completed, waiting on stats proposal**
- 3.3 ~~Scott will send quotes for more kits/pricing.~~ **Completed, all labs should have received the pricing**
- 3.4 Scott will create documentation necessary for dealers to be able to accept cores. **Scott requested a list of dealers and contact information.**  
**Completed, labs can now try returning cores to the dealers they selected to work with. Any lab that hasn't provided dealership contact information to Scott should do so before attempting returning cores.**

#### 4.0 Old Business

- 4.1 Review fixed phasors reuse, inspection procedure.
- 4.2 IAR will work with SwRI on fixed gears groove and lubrication
- 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.~~  
Completed, new heads available.

#### 5.0 New Business

- 5.1 Status of -2 short block engine parts, Solicitation Letter and core returns. Pricing has been sent out to all labs.

Labs can start sending P.O. for their orders to Scott. All P.O. shall be submitted within 2 weeks starting today 3/2/2017.

- 5.2 Short block engines introduction/prove out matrix. Stats group is working on completing the material to review it during our meeting tomorrow. Once available I will forward the information to this distribution.

Rich will contact stats group to provide the objectives of the proposed short block engine prove out Matrix. The table will revised to state engine/lab 1, engine/lab 2....to further clarify there will be 4 labs one engine each lab participating in the matrix.

**Motion:** The Engine Rebuild Task Force recommends to the Seq. VI Surveillance Panel to adopt the Stats Group's proposed prove out matrix for the short block lab built engines. Stats Group will provide the objectives of the matrix design prior to presenting the matrix to the SP.

**Motion:** Adrian, Second: Richard Grundza, Vote: Unanimous

#### 6.0 Review of action items.

- Rich Grundza will approach the Stats Group to provide objectives of the matrix design prior to presenting the matrix to the SP.
- Rich Grundza will edit the matrix table to state engine/lab 1, engine/lab 2....to further clarify there will be 4 labs one engine each lab participating in the matrix.

#### 7.0 Schedule for next conference call.

TBD