

Sequence VIE/F Engine Rebuild Task Force

Call Agenda

November 3rd @ 1:00 PM 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 6/15/2017.

ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20170615.pdf

Adrian, Rich, Unanimous

3.0 Action Item Review

3.1 OHT will coordinate re-distribution with labs. **Completed**

4.0 Old Business

4.1 Review fixed phasors reuse, inspection procedure. **To be discussed in this meeting**

4.2 Should rework/repairs be allowed, follow up after rebuild workshop. **To be discussed in this meeting**

5.0 New Business

5.1 Review fixed phasors reuse, inspection procedure.

This topic has been discussed in the past in this task force and the general consensus has been there is no issue with reusing these parts, GM agrees the reuse of the fixed phasors is acceptable. Visual inspection of the gears should be sufficient to determine whether to reuse or discard.

Motion: The Engine Rebuild Task Force recommends to the surveillance panel to consider the reuse of the fixed phasors to be acceptable. Laboratories are responsible for visually inspecting the used fixed phasors prior to every installation and deciding whether to reuse or discard.

Motion: Adrian Second: Katerina Unanimous

5.2 Should rework/repairs be allowed?

The Engine Rebuild Task Force recommends to the surveillance panel to consider adding a comment to the test procedure to not allow alteration, modification or rework of the GM short block built engine unless addressed authorized by the Seq. VI Surveillance Panel.

5.3 Engine Build Workshop November 16th 1-5 pm at IAR.

Workshop has been postponed to a later time. Bill Buscher emailed everyone this morning requesting feedback on dates and length required for the workshops to be completed. Please review Bill's email and respond as soon as possible.

5.4 Short Block Engine Assembly Manual

Dan emailed this morning the latest version of the assembly manual. In today's meeting we agreed to add the engine kit parts list to the assembly procedure. Task force members will review the draft assembly manual and will discuss its approval and recommendation to the SP during next call on 9 November.

6.0 Review of action items.

- All members interested in participating please review and respond to Bill Buscher's email requesting feedback for dates and time length required for the multiple workshops pending.
- Members of this task force please review Dan's final draft of the short block assembly manual and be prepare to discuss on 9 November 2017.

7.0 Schedule for next conference call.

9 November 2017 @ 8 am.