

Sequence VIE/F Engine Rebuild Task Force
Call Agenda
June 23th @ 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 6/16/2016.

ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20160616.pdf

Motion to approve Adrian 2nd Nathan, unanimous approval

3.0 Action Item Review

3.1 Engine KITs completion and shipping – **Expected by mid-July**

Gaskets that will complete kits are being sent to packaging and then added to engines to be sent out to labs ~2 weeks

3.2 Scott will contact GM to attempt to acquire more short blocks – **In progress**

More short blocks are possible, heads may be an issue. Waiting to confirm if they are still being made or if replacement parts are available.

3.3 Adrian will develop a timeline for completing the scope of this TF – **Completed/can change based on Stats input on prove out recommendation.**

3.4 Adrian to contact stats group about prove out test design – **After consulting with our Statistician Martin Chadwick I propose to table the request to the stats group until we have an LTMS (~the week of 25 July) for the VIE. There are two main reasons for this, one to have a better idea what oils and order to use for the short blocks and second to not overload the stats group even more than what they are now.**

3.5 Rich to contact stats group about cleaned engine run order – **To be discussed in the cleaning TF**

4.0 Old Business

4.1 Need to write up storage procedure for labs to follow (include cleaning procedure to remove RP).

4.2 Coordination of engine build workshop early 2016.

4.3 Review fixed phasors reuse, inspection procedure.

4.4 Should rework/repairs be allowed, follow up after rebuild workshop.

5.0 New Business

5.1 Can we acquire more GM short blocks?

5.2 Review of proposed TF Completion Timeline:

- Completion of cleaning and assembly manual by 1 August 2016

- Completion of engine prove-out testing by 1 October 2016 - **Can change based on Stats group input**

- Completion of data analysis by 1 November 2016

- Transition to new engine expected by summer 2017

6.0 Review of action items.

Adrian and Rich to send out updated survey for additional engines

7.0 Schedule for next conference call.

TBD