

**Sequence VIE/F Engine Rebuild Task Force**  
**Call Agenda**  
**November 11<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 10/22/2015.**

[ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE\\_FEngine%20RebuildTaskForce20151022.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20151022.pdf)

Motion: Adrian, 2<sup>nd</sup> Nathan unanimous approval

**3.0 Action Item Review**

3.1 Dan W. to add comment to build manual. Draft Manual review at face to face meeting, need to add the timing components replacement. Use the portion of the VID/E manual. Completed 10/27/15

3.2 Adrian to contact GM regarding engine order quantity and process. Contacted Tim, see answers in section 5.

3.3 Invite representative from Chevy Performance to future task force meetings. See section 5.1.1

#### 4.0 Old Business

4.1 ~~Meet at SP meeting at end of Oct. in Detroit to review build manual.~~ Completed 10/27/15

4.1.1 ~~Build manual from VID development is available; also, GM provided build instructions.~~

4.2 Coordination of engine build workshop early 2016.

#### 5.0 New Business

5.1 GM questions:

5.1.1 Can we get the number of blocks requested?

- I believe the quantity of blocks is available.

- Do we really want to continue this into GF-7?

Too early to be sure, but group believes new engine will be used for GF7. Should plan to order for GF6 with each lab to determine an appropriate "cushion" to support testing until replacement is ready.

New survey to exclude GF7 quantities to be sent out through 2025 (minus what labs have on hand). –Bill to send survey request to Rich

- A one-time purchase would be ideal. Is everyone prepared to make a large purchase? Once purchased; do you have environmental controlled storage space?

Group prefers one time purchase and engines would be stored in house. Need responses from labs not present on the call. Adrian to send email to request confirmation from all labs.

- Would a central storage facility be acceptable? This would ensure identical storage similar to how they are stored now at Export Corp. An alternate mgmt. operation may be able to facilitate the storage and distribution of the engines/parts.

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

5.1.2 Get head gaskets and head bolts in a batch up front?

Head gaskets and bolts should be available in a batch. Yes

5.1.3 Get remaining parts missing from kit from local dealer network?

Remaining parts may be purchased from dealer if they are determined to be non-critical. Yes

5.1.4 Confirm identifying number can be used for block?

Still working on the block numbers ID. Pending

#### 6.0 Review of action items.

- New survey to exclude GF7 quantities to be sent out for GF6 VIE and VIF through 2025 (minus what labs have on hand). –Bill to send survey request to Rich
- Adrian to send email to request confirmation from all labs for one time purchase of hardware.
- Need to write up storage procedure for labs to follow (include cleaning procedure to remove RP).
- Need pricing estimate from GM (may need to separate build kits from blocks/heads to proceed)

#### 7.0 Schedule for next conference call.

Adrian Alfonso	Intertek	Attend
Bill Buscher	Intertek	Attend
Charlie Leveret	Intertek	
Martin Chadwick	Intertek	
Jason Bowden	OHT	Attend
Matthew Bowden	OHT	
Dan Worcester	SWRI	Attend

Timothy Cushing	GM	
Gordon Farnsworth	Infineum	Attend
Andrew Ritchie	Infineum	
Mike McMillan	Infineum	Attend
Valerie Lieu	Chevron	
Kaustav Sinha	Chevron	
Dave Glaenzer	Afton	Attend
Terry Hoffman	Afton	
Todd Dvorak	Afton	
Michael Conrad	Lubrizol	
Jerry Brys	Lubrizol	
Nathan Moles	Lubrizol	Attend
Satoshi Hirano	Toyota	
Teri Kowalski	Toyota	
Jim Linden	Toyota	Attend
	Tribology	
Mark Adams	Testing	Attend
Rich Grundza	TMC	