

**Sequence VIE/F Engine Rebuild Task Force  
Call Agenda  
October 22<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 10/15/2015.**

[ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE\\_FEngine%20RebuildTaskForce20151015.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20151015.pdf)

**Motion to Approve: Adrian, Jason B. 2<sup>nd</sup> Unanimous**

**3.0 Action Item Review**

3.1 IAR to review short block with SwRI. **Parts arrived Monday 12 October 2015. Completed 10/21/15**

3.1.1 Assembly exercise is scheduled for **21 October 2015. Completed 10/21/15**

3.1.2 Assembly manual provided by Tim Cushing. The manual will be distributed to members through TMC. **Completed**

3.2 Adrian to contact GM regarding engine order quantity and process. **Contacted Tim, waiting on response**

#### 4.0 Old Business

4.1 Meet at SP meeting at end of Oct. in Detroit to review build manual.

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 Report results after review short block at IAR with SwRI

Assembly exercise went well. A list of parts received as kits and parts cannibalized from used engine attached to email with agenda.

Questions:

How are we going to number these engines?

**Possible to use existing alpha numeric label**

**5 characters available for current reporting**

**TBD at later date**

Should we use the used gears with their used chains or new chains?

**Group believes should use new chains for each engine if new parts are available**

Sparkplug tubes O rings/seals; should it be replaced, how many times could it be re-used?

**Group believes should use new seals for each engine if new parts are available**

Is the intake, throttle body, exhaust manifold available/being produced? All these from VID

**Labs responsible for maintaining quantities to last for future testing**

There is a 1 inch dia. plug with a 0.060 hole for the thermostat housing PN 1010C, can we purchase these and make the 0.060 hole ourselves?

Will OHT continue to supply the smaller components that were supplied with the engines (knock sensors, plug, etc.)?

**OHT will continue to supply, current inventory should last**

5.2 Adrian Alfonso will present PPT with results of the engine assembly exercise in Detroit

**Adrian to send out prior to meeting next Tuesday**

5.3 Proceed to place order of short block and kits? Pending response from Tim Cushing, GM.

#### 6.0 Review of action items.

**Dan W. to add comment to build manual**

**Invite representative from Chevy Performance to future task force meetings**

**GM questions:**

**Can we get the number of blocks requested?**

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

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

**Confirm identifying number can be used for block?**

## 7.0 Schedule for next conference call.

Face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 at USCAR facility in Southfield MI. OHT is sponsoring.

Call In Info Below:

Phone Number: (712) 432-0927

Code: 976140

Same as VIE SP and GF6 TF.

Adrian Alfonso	Intertek	Attend
Bill Buscher	Intertek	
Charlie Leveret	Intertek	Attend
Martin Chadwick	Intertek	
Jason Bowden	OHT	Attend
Matthew Bowden	OHT	Attend
Dan Worcester	SWRI	Attend
Timothy Cushing	GM	
Gordon Farnsworth	Infineum	
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	Attend
Nathan Moles	Lubrizol	Attend
Satoshi Hirano	Toyota	Attend
Teri Kowalski	Toyota	
Jim Linden	Toyota	Attend
	Tribology	
Mark Adams	Testing	Attend
Rich Grundza	TMC	Attend