

**Sequence VIE/F Engine Rebuild Task Force  
Call Agenda  
October 15<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 10/01/2015.**

[ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE\\_FEngine%20RebuildTaskForce20151001.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20151001.pdf)

**3.0 Action Item Review**

3.1 IAR to review short block with SwRI. **Parts arrived Monday 12 October 2015.**

3.1.1 Assembly exercise is scheduled for **20 October 2015.**

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

Motion Adrian Alfonso, Nathan Moles 2<sup>nd</sup> Pass Unanimously

#### 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 Open discussion on survey results and blocks acquisition.  
Survey Results (All labs)

How many VIE engines do you currently have on hand: \_\_\_\_\_23\_\_\_\_\_

How many engines do you anticipate needing for GF-6 (VIE and F) \_\_\_\_\_526\_\_\_\_\_

How many engines do you anticipate needing for GF-7 \_\_\_\_\_514\_\_\_\_\_

We need 1040 – 23 on hand – 56 OHT and – 144 from GM = 817 blocks, heads, etc.

Action Item: Adrian to contact Tim at GM regarding engine order quantity and ordering process.

- 5.2 Proceed to place order of short block and kits?
- 5.3 Report results after review short block at IAR with SwRI

#### 6.0 Review of action items.

#### 7.0 Schedule for next conference call.

22 October, 2015

##### Attendance:

Adrian Alfonso	Intertek	Present
Bill Buscher	Intertek	
Charlie Leveret	Intertek	
Martin Chadwick	Intertek	
Jason Bowden	OHT	Present
Matthew Bowden	OHT	Present
Dan Worcester	SWRI	Present
Timothy Cushing	GM	
Gordon Farnsworth	Infineum	Present
Andrew Ritchie	Infineum	
Mike McMillan	Infineum	
Valerie Lieu	Chevron	
Kaustav Sinha	Chevron	
Dave Glaenger	Afton	Present
Terry Hoffman	Afton	
Todd Dvorak	Afton	
Michael Conrad	Lubrizol	
Jerry Brys	Lubrizol	Present
Nathan Moles	Lubrizol	Present
Satoshi Hirano	Toyota	Present

Teri Kowalski	Toyota	Present
Jim Linden	Toyota	Present
	Tribology	
Mark Adams	Testing	
Rich Grundza	TMC	Present