

**Sequence VIE/F Engine Rebuild Task Force  
Call Agenda  
December 3<sup>rd</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%20RebuildTaskForce20151111.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIE_FEngine%20RebuildTaskForce20151111.pdf)

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

**3.0 Action Item Review**

3.1 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. **Completed**

3.2 Adrian to send email to request confirmation from all labs for one time purchase of hardware. **Completed**

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

3.4 Need pricing estimate from GM (may need to separate build kits from blocks/heads to proceed)

#### 4.0 Old Business

4.1 Coordination of engine build workshop early 2016.

#### 5.0 New Business

5.1 Survey results

5.1.1 Do we have the response from all the labs? **Yes**

5.1.2 Are all labs prepared for a one time purchase? **Yes, 487 quantity requested**

Afton, SwRI, Lubrizol, IAR and Ashland are prepared for one-time purchase.

The preference from Ashland is to have a CPD, however, if the majority prefers a one-time purchase they are prepared to do so. If one-time purchase is made then: all such purchased parts be treated/coated (by 3rd party?) for long term storage.

5.1.3 Are all labs prepared to store parts in a “climate controlled” environment?

Afton, SwRI, Lubrizol, IAR are prepared to store parts. **Stored in same area as VID engines**

Ashland does not have the capability to store parts in a climate controlled environment.

**OHT has offered to store parts for labs unable to store in controlled environment**

**RP on heads but not engine received at IAR for inspection. Need to ensure cleaning removes this.**

5.1.4 Will the acquisition of the parts be completed now or after “sense check/data review”?

**Will quantity of 487 be available in February 2016 to delay purchase until then?**

**Preference is for additional components to be part of a kit**

**GM to send out quote in January 21**

5.1.5 Confirm identifying number can be used for block?

**GM to take picture of SN to match SN IAR**

#### 6.0 Review of action items.

**Confirm quantity of 487 be available in February 2016 to delay purchase until then?**

**GM to send out quote in January 21**

**GM to take picture of SN to match SN IAR**

**Adrian to follow up on possible 3<sup>rd</sup> party storage**

**Labs to contact OHT to provide quote for storage**

#### 7.0 Schedule for next conference call.

**Next meeting December 17th**

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

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