June 19t, 2019 Sequence V Surveillance Panel Call

Afton: E. Altman

Ford: R. Romano,

Haltermann: P. Tumati, Q. Dunford

Infineum: D.Boese, A.Ritchie, C. Leverett

Intertek: A. Lopez, B. Buscher

Lubrizol: J. Brys, J. Gleason, J. Gingrich

OHT: J. Bowden

Oronite: R. Stockwell

SwRI: P. Lang, D. Engstrom, T. Kostan

TEI: D. Lanctot

TMC: R. Grundza

ASTM: Sid Clark

PSL Services: Chris Taylor

Valvoline: A. Savant

GM: B Cosgrove

Meeting Details:

The group addressed the following items:

1) Agreed to introduce 1009-1. Oil is a critical borderline fail oil
2) Fuel batch analysis upon on receipt from the supplier. All agreed that it is unrealistic and unnecessary to analyze the fuel on receipt but that a sample should be retained if a subsequent concern arises with the fuel which was delivered. The fuel supplier analyzed the fuel weekly and a C of A listing the key parameters arrives with the shipment. Since the fuel was approved there has been no change in the measured chemical and physical properties. The C of A accompanying a delivery should be updated as and when this occurs. The labs were reminded that the fuel analysis data should be entered to a data base at the TMC website using the log in id's already for oil assignments. Rich Grundza agreed to provide some wording for the fuel analysis process to the lab working group which once agreed would be submitted for inclusion in the Sequence VH ASTM D8356 test procedure.
3) Fuel supplier Haltermann reported deliveries of 113,000 gallons of the fuel batch GI0321NX10 leaving an inventory of 561,000 gallons.
4) There are no remaining calibrated Sequence VG stands. The panel unanimously approved the following motion and action item:

Motion: The **Sequence VG** will be removed from the scope of the Sequence V Surveillance Panel. The TMC will not monitor Sequence VG reference testing nor will it grant any future calibrations to Sequence VG test stands.

Action Item: TMC will in due course issue an LTMS revision removing the VG test and issue a memo notifying the industry that the Sequence VG tests is no longer monitored.

5) The calibrated labs (5) reported VH parts inventories estimated at current usage levels to last 7-8 years.
6) VH calls will take place at least on a semi-annual and certainly more frequently as and when the membership raises issues which need to be addressed.
7) The attached Sequence V semi-annual report will be made at the June Denver ASTM meeting:
http://www.astmtmc.cmu.edu/ftp/docs/gas/B01SemiAnnualReports/semiannualreports/Sequence%20V%20%20SP%20report%20to%20B%20%20June%202019.pdf

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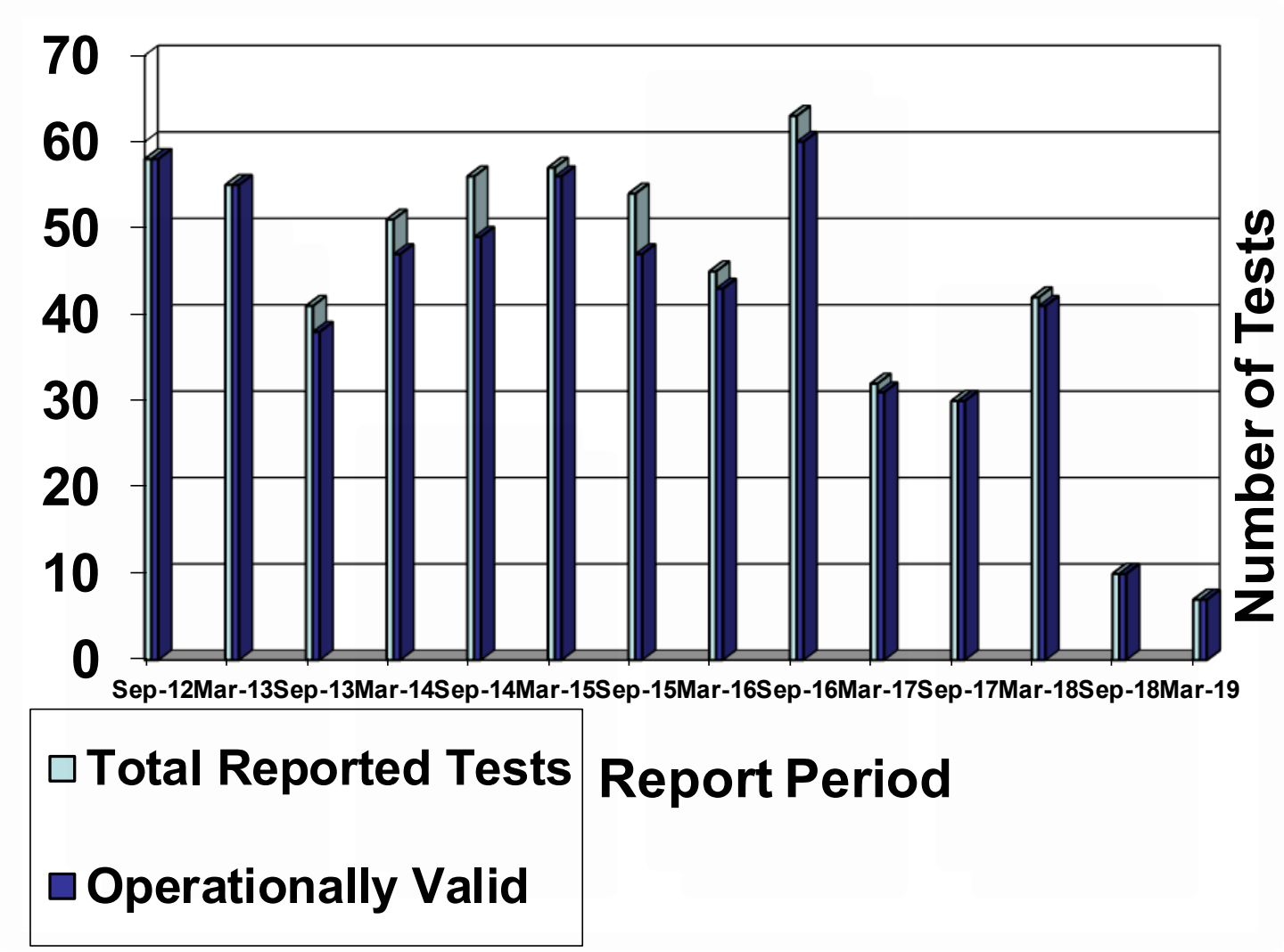
Sequence VG S.P.
Presentation to Subcommittee D02.B

Prepared By: Andrew Ritchie, S.P. Chairman June 2019

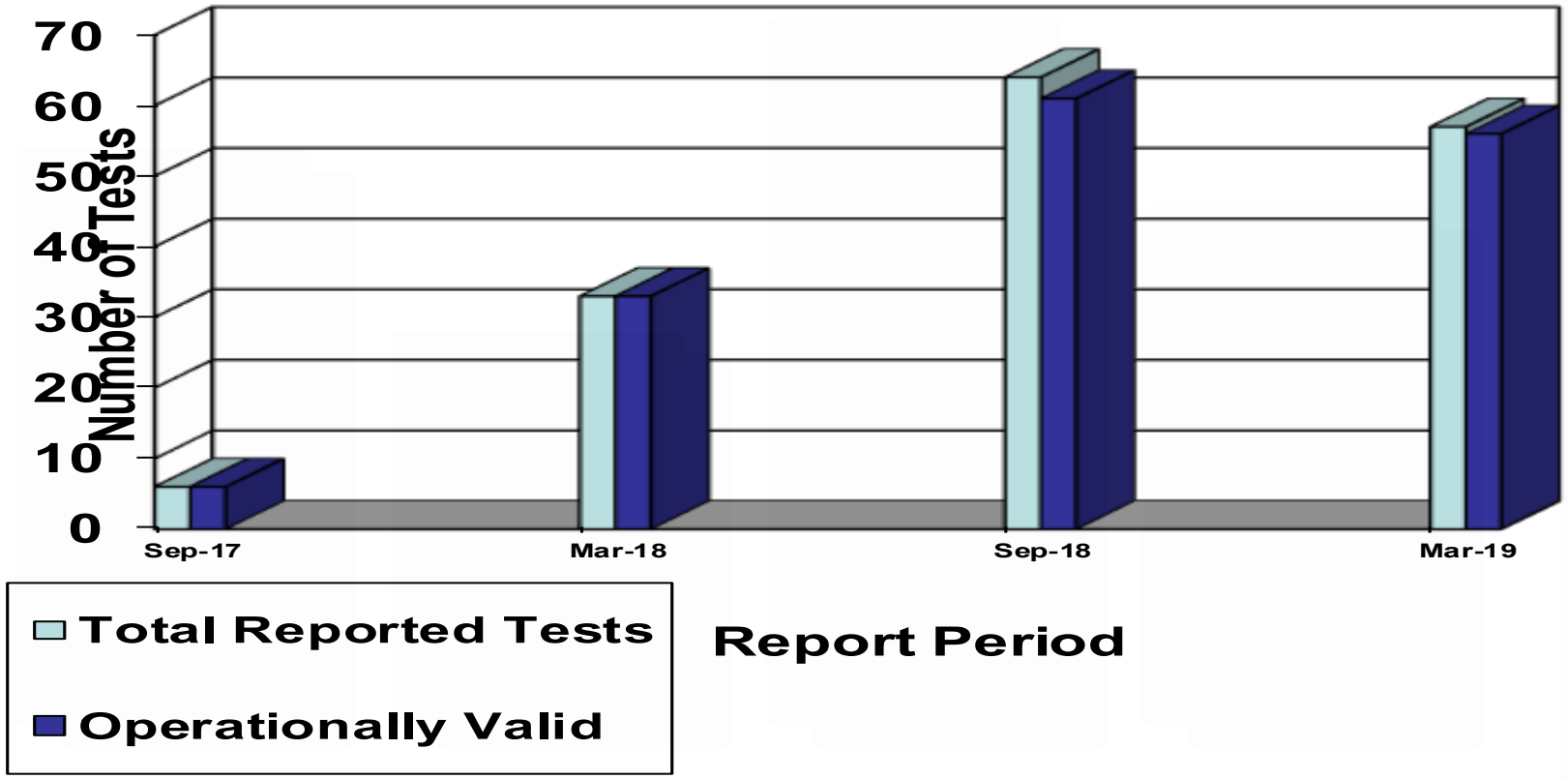
Sequence VG S.P. Report

Candidate Test Activity



Sequence VH S.P. Report

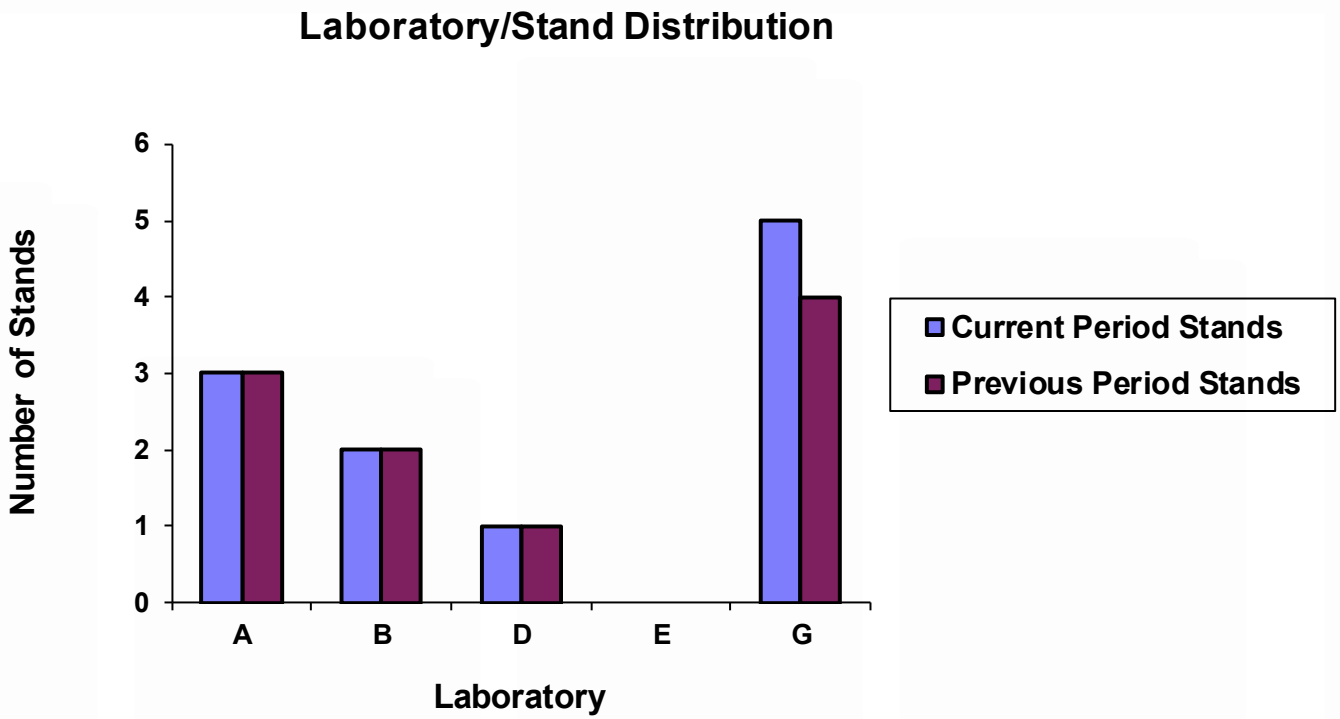
Candidate Test Activity



VH Candidate registration began May 2017

Sequence VH S.P. Report
LTMS Laboratory/Stand Distribution

	Reporting Data	Calibrated as of 3/31/19
Number of Laboratories	5	5
Number of Stands	11	11



Sequence VH S.P. Report

Industry Reference Severity Summary

6 month time frame

Variable	Pooled s All Oils	Mean Delta/s	Based on	Delta in Reported Units
RAC	0.19	-0.77	8.0	0.28
AES	0.46	0.58	7.8	0.27
APV	0.20	0.43	7.5	0.09
AEV	0.33	0.66	8.9	0.22

Sequence VH S.P. Report
Reference Oils

- ***1011*** *SAE 0W-16 passing reference oil*
- ***1009-1*** *SAE 5W30 borderline failing oil.*
  Ready to be introduced
- ***940-1*** *SAE 5W30 failing reference oil.*
  Reblend 940-2 has been received by TMC

Sequence V S.P. Report
1H 2019 Panel Activity

- Panel call on June 19th recommended that monitoring of the Sequence VG is no longer required.
  - VG will be removed from the scope of the Sequence V Surveillance Panel.
- Calibrated labs report inventories of VH parts projected to last 7-8 years at current usage rates.
- Sequence VH became the ASTM D8256 standard on May 1st.
- Reference oil 1009-1 will be introduced.
- No issues reported with new fuel batch GI0321NX10.
  - Fuel supplier has an inventory of 561,000 gallons.
  - Approximately 113,000 gallons have been delivered to the test labs since fuel was blended in August 2018 (approved October 9th 2018).
  - Panel is working on the wording for ASTM D8256 for the process of monitoring the fuel deliveries to the calibrated laboratories.
- Panel retains a minimum of a semiannual schedule of calls