

# Sequence X Surveillance Panel Meeting Agenda/Minutes 06/19/19

- Motion to accept the minutes from 02/20/19
  - Motioner: Al Lopez
  - Second: Ron Romano
  - Vote: Passed no negatives
- Hardware Update
  - Piston batch – container for LSPI engines do not have BC pistons. Labs to verify inventory of CW engines having BC pistons.
  - Dealer Parts – labs purchasing non critical parts form dealer. Planned industry purchase of these through FCS instead of dealer. Mitigate risk of parts becoming unavailable.
- Stand flexibility – Jerry Bryse / Al Lopez
  - Dual Calibration Status proposed LSPI/CW
  - Dual Purpose Stand for Oil aging and Calibrated CW
  - Detailed protocol for both proposed configurations to be finalized for vote
- Report to B – ASTM Number D8279

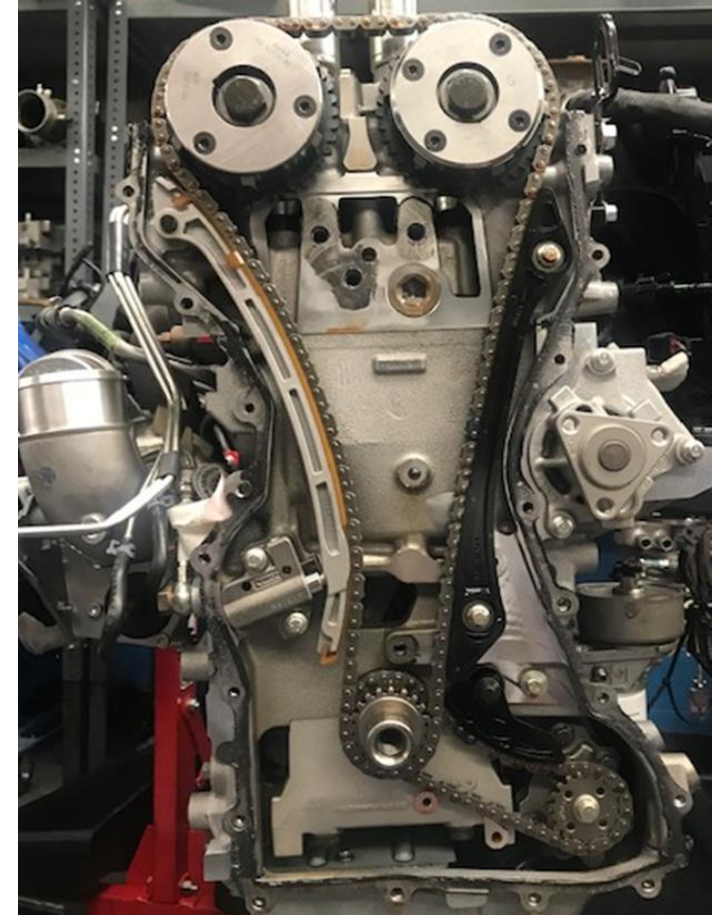
Sequence X  
Ford Chainwear Test  
Presentation to Subcommittee D02.B

June 25, 2019

Prepared By: Alfonso Lopez, S.P. Chairman

# Ford Chain Wear Test Overview

- 2.0L Ecoboost GTDi Engine
- Silent Chain
- 216 Hour Test Length
- Two stage cycle – generates soot and acid



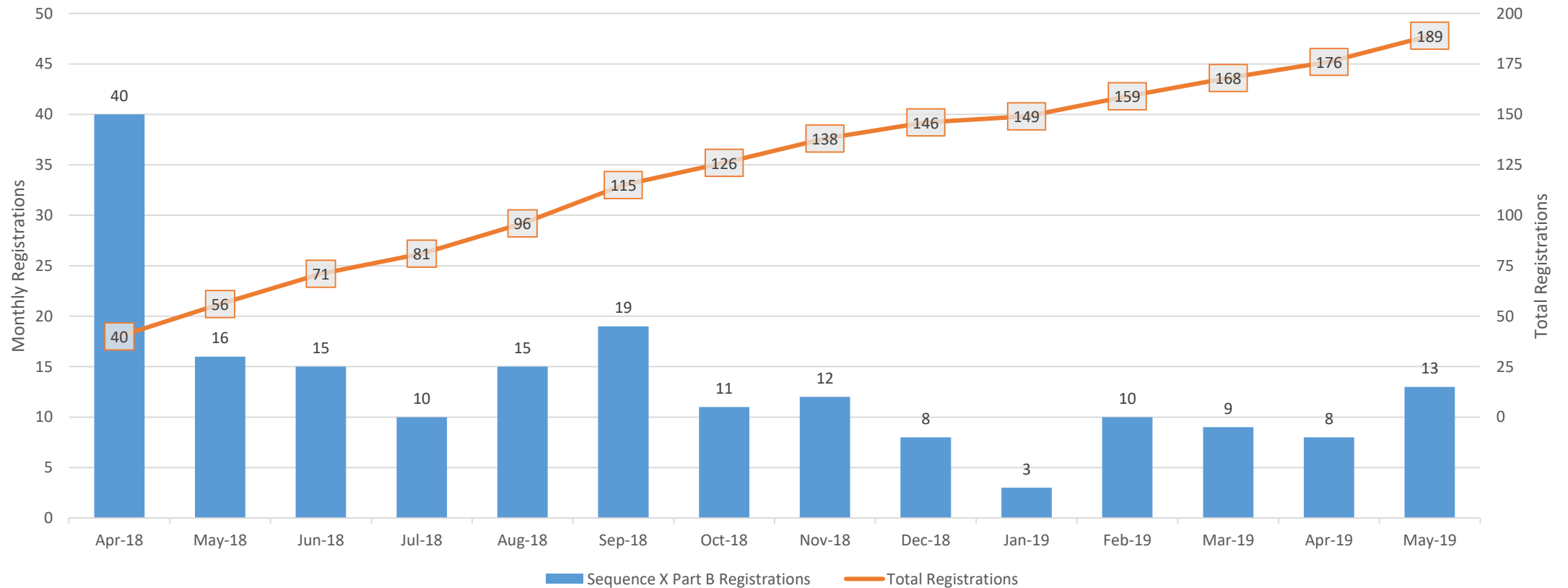
# Sequence X Test Update

<b>Sequence X Milestones</b>	
<b>1/1/2012</b>	<b>Start of Chain Wear Test Development</b>
<b>12/7/2017</b>	<b>AOAP Approval for GF6</b>
<b>4/2/2018</b>	<b>Live Registration (03/19/16 – 04/02/18 Retro - Registration)</b>
<b>2/20/2019</b>	<b>Surveillance Panel Procedure Acceptance Vote</b>
<b>4/4/2019</b>	<b>Subcommittee B Ballot</b>
<b>6/16/2019</b>	<b>Main Committee D02 Ballot - ASTM Procedure D8279</b>

# Sequence X S.P. Report Candidate Test Activity

## Sequence X Part B Registrations through 20190531

Registration began on April 2, 2018 with retroactive registration March 19, 2016 - April 2, 2018



# Sequence X TMC Activity

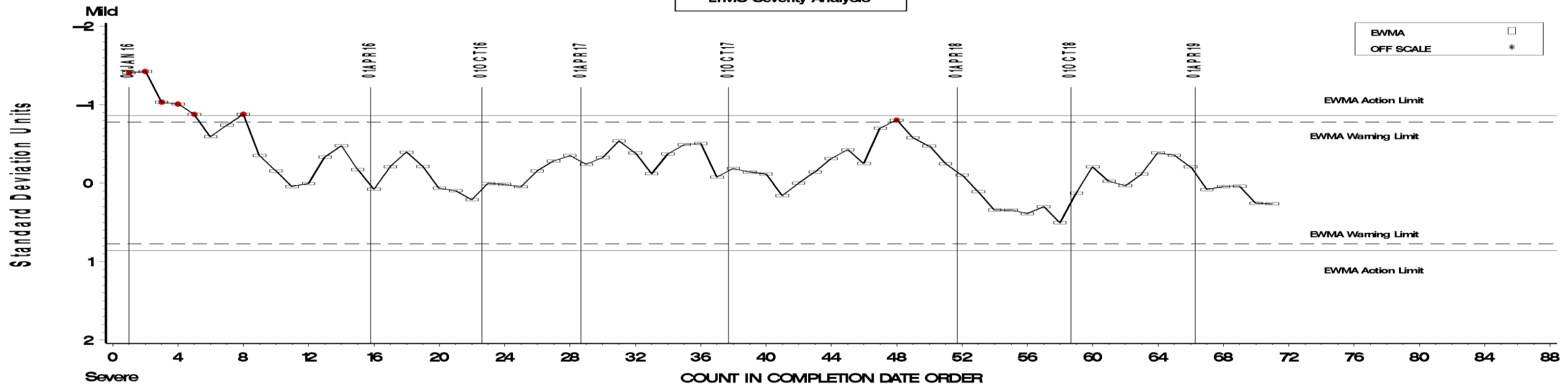
October 2018 to Present

# Summary of Calibration Activities Since October 2018

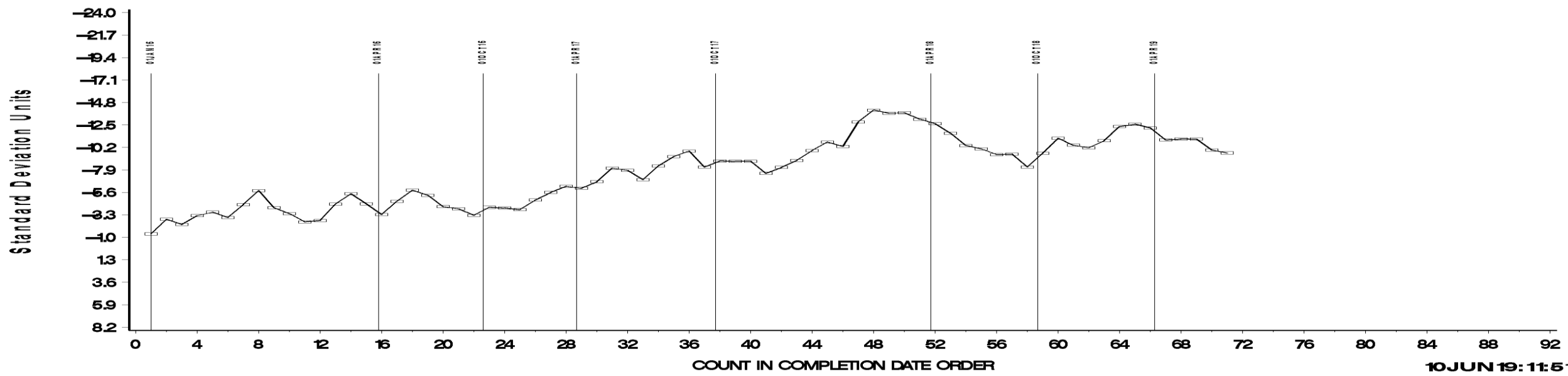
- 5 results from 2 labs, all resulted in calibration
- Precision in line with historic levels
- Industry Control charts show test in control.
- Sufficient quantities of reference oils available for the foreseeable future.

END OF TEST CHAIN WEAR FINAL RESULT

LTMS Severity Analysis



CUSUM Severity Analysis



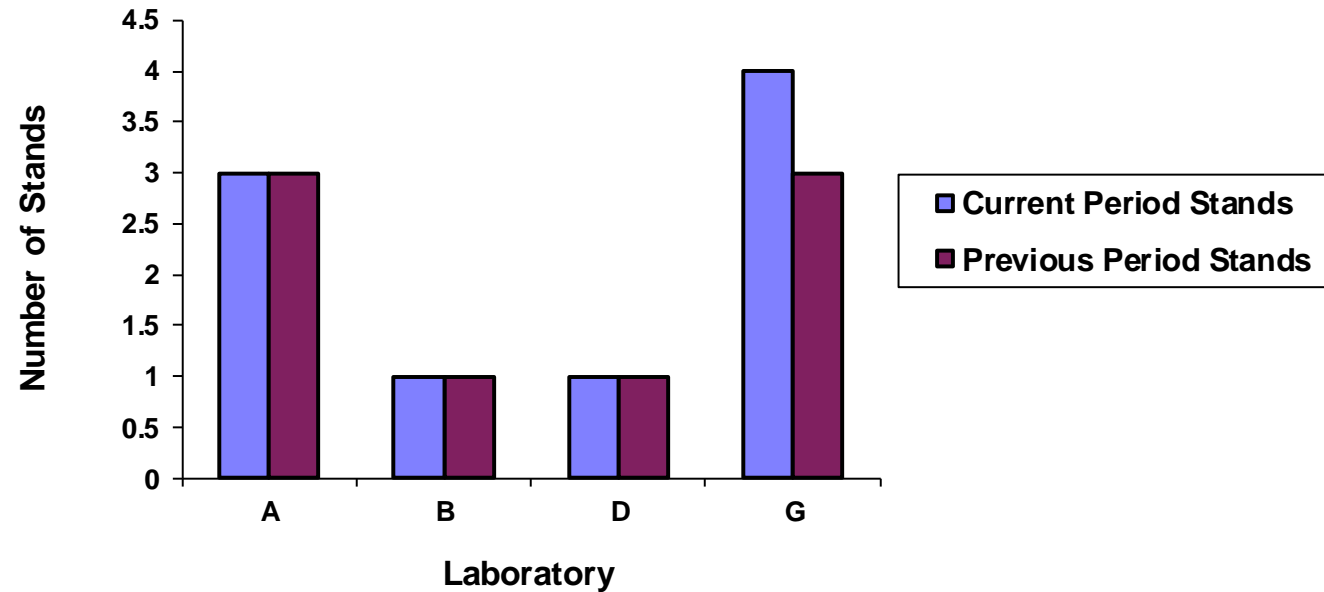


# Sequence X S.P. Report

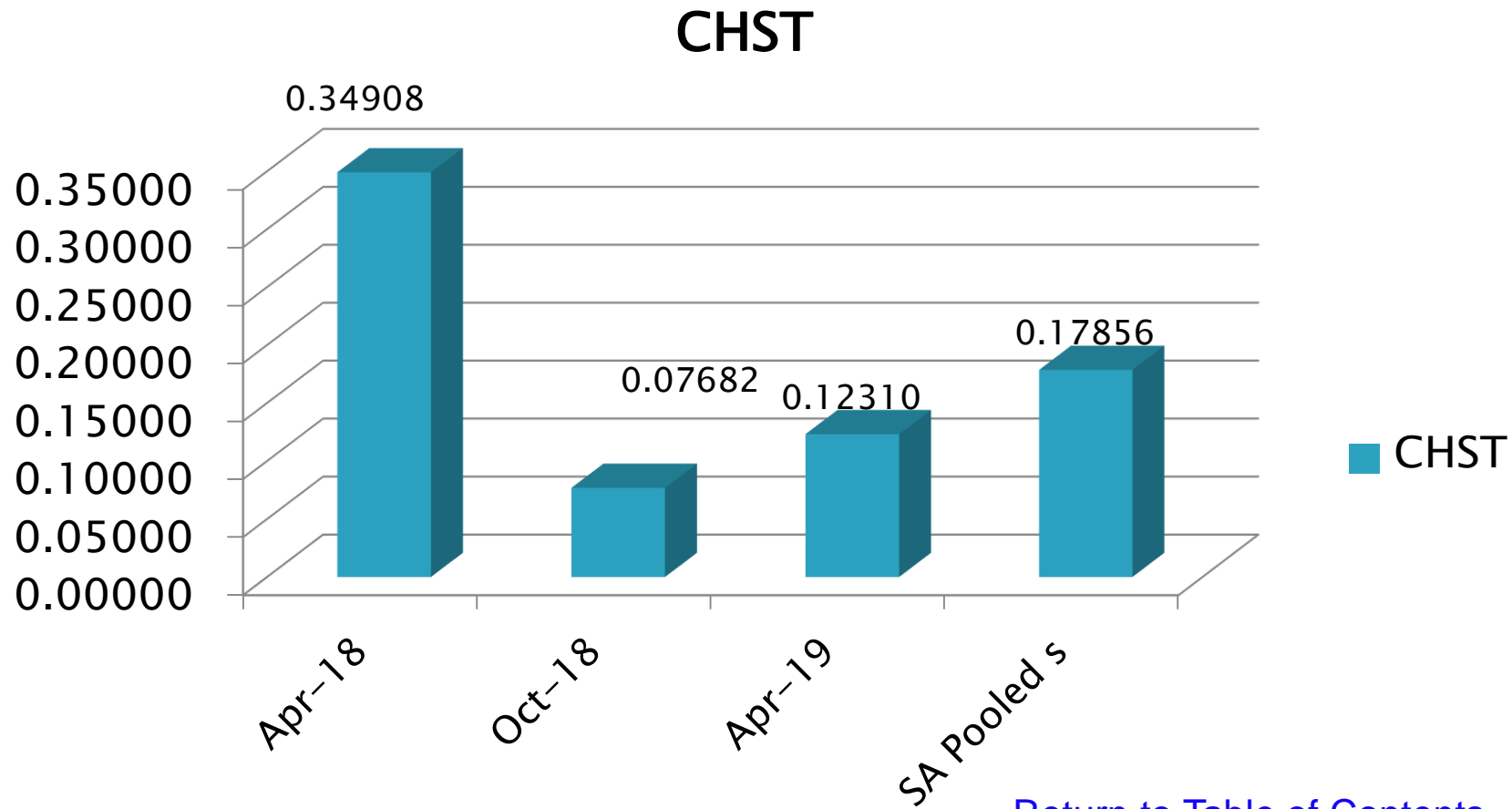
## LTMS Laboratory/Stand Distribution

	Reporting Data	Calibrated as of 4/30/19
Number of Laboratories	4	4
Number of Stands	8	8

Laboratory/Stand Distribution



# Sequence X Precision Estimates



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# Sequence X S.P. Report Reference Oils Status

- 271 SAE 5W-30 passing reference oil (5yr)
- 1011 SAE 0W-16 (2yr)
  - TMC to monitor consumption rates from VI, V and X
  - Re-blend probable in second half 2020
- 270 SAE 5W-30 failing reference oil (5yr)

# Sequence X

## Hardware Status

- 7-8 Year inventory of test engines with BC pistons
  - Non critical parts are being purchased for the dealerships
  - Industry order planned for non critical parts
- 2017 Ring Batch – EJ7Z6148A
- 6 tests per engine
- 1200 tests at independent labs