

## Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

### Teleconference

4/3/2012

D. Bell

#### Participants:

J. Keiter (Lz)	Grinfield (SWRI)	J. Gropp (Lz)	B. McGlone (Meritor)
D. Bell (Afton)	C. Knight (TEI)	J. D'Harte (email vote)	

The OSCT Surveillance Panel had a teleconference to review the repeat qualification data for PA345 as attached in the Appendix. At the last OSCT meeting a motion was passed to repeat the PA345 qualification testing since the percent elongation in 161-1 failed high outside of the acceptance bands for lab B and was high but within acceptance bands for lab C. The repeat data shows that Lz and SWRI obtained results within the acceptance bands for all measured parameters in both reference oils, TMC 160-1 and 161-1. A motion made by D. Bell and 2<sup>nd</sup> by B. Grinfield was unanimously approved by 6 voting members to effective immediately approve PA345 for use in candidate testing as per ASTM D5662.

The qualification data from Lz and SWRI for NI339 shown in the Appendix indicates that all data fall well within the acceptance bands for the parameters measured in TMC 161-1 and 168. A motion made by D. Bell and 2<sup>nd</sup> by B. Grinfield was unanimously approved by 6 voting members to effective immediately approve NI339 for use in candidate testing as per ASTM D5662.

The Test Engineering Institute (TEI) has the approximate seal inventory as of 4/3/2012:

- PA345: 276 slabs, 150 on backorder, approved today
- PA346: Instructed TEI to order 300 slabs
- FL385: 178 slabs, 116 on backorder, instructed TEI to send out for qualification testing
- FL386: 200 slabs, instructed TEI to send out for qualification testing
- NI339: 306 slabs, 100 on backorder, approved today

Meeting adjourned at 3:13 pm on 4/3/2012.

# **Appendix**

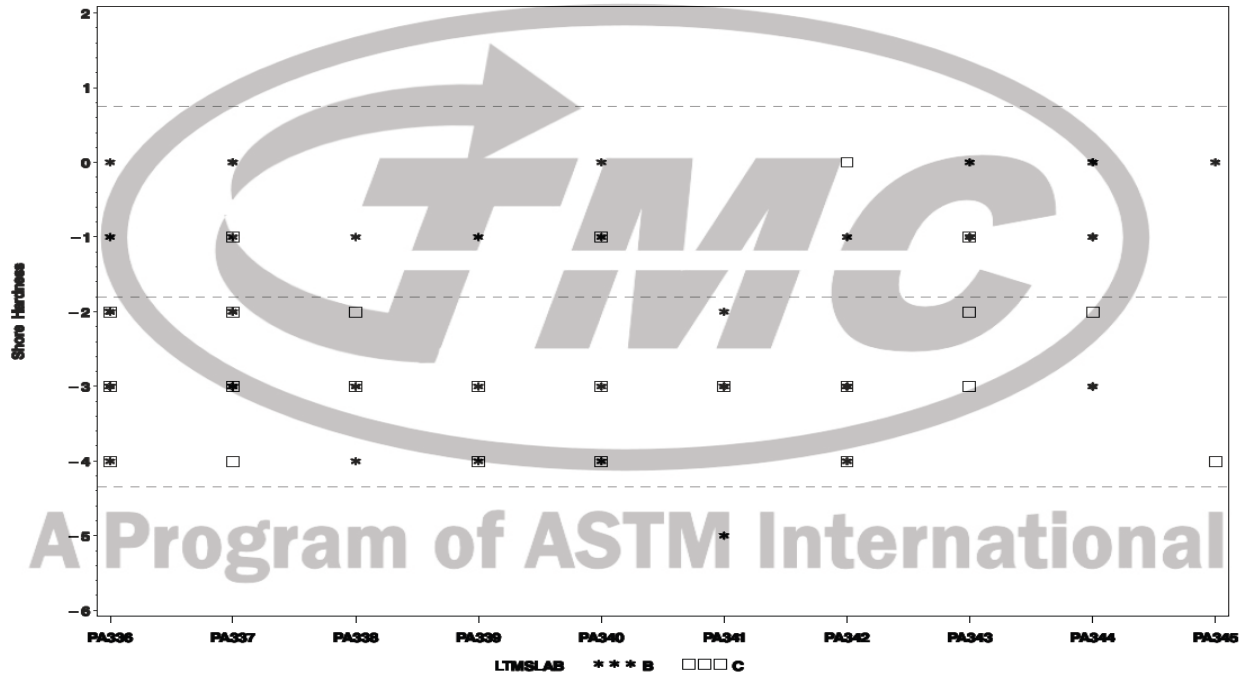
**OSCT Surveillance Panel Meeting**

**4/3/2012**

# **PA345: TMC Reference Oil Data**

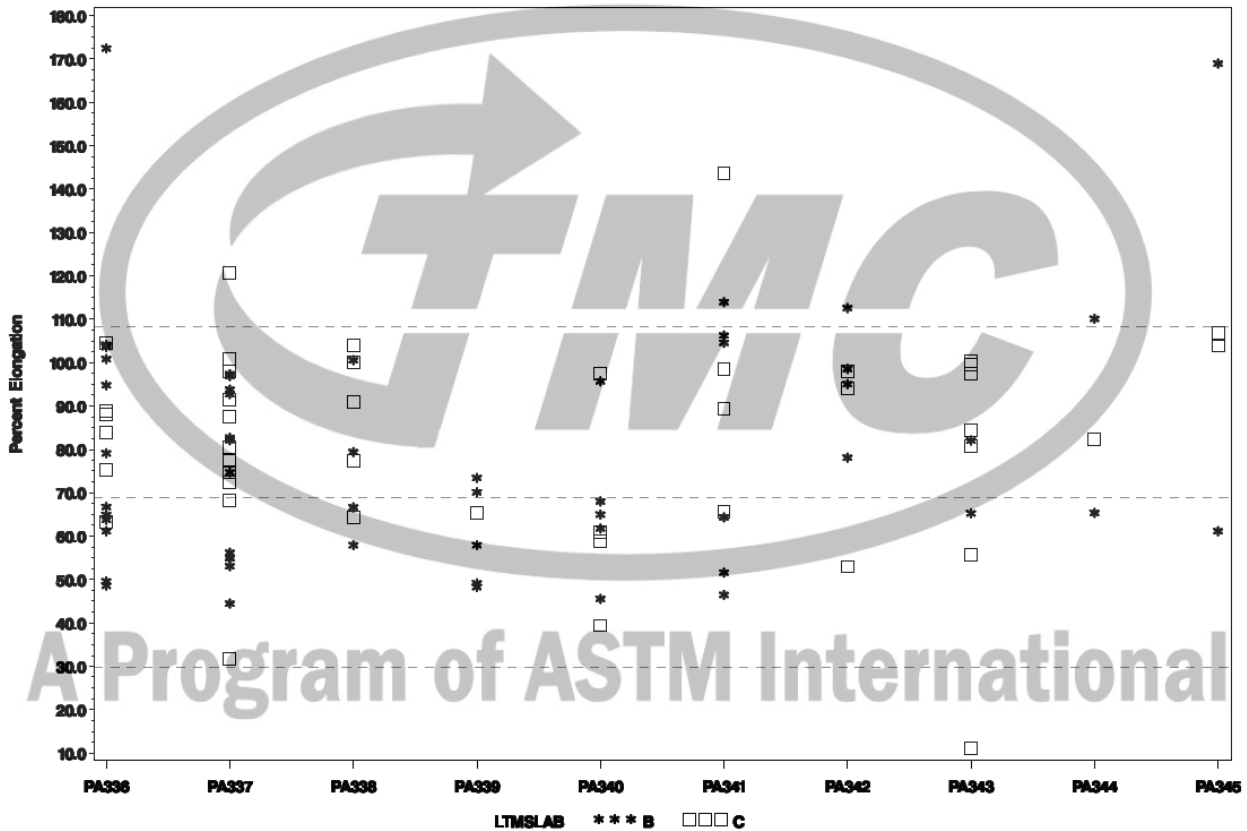


**OSCT (PA)**  
**Reference Oil 160-1 (Mean = -1.8)**  
**Shore Hardness Results VS Shewhart Severity Limits**



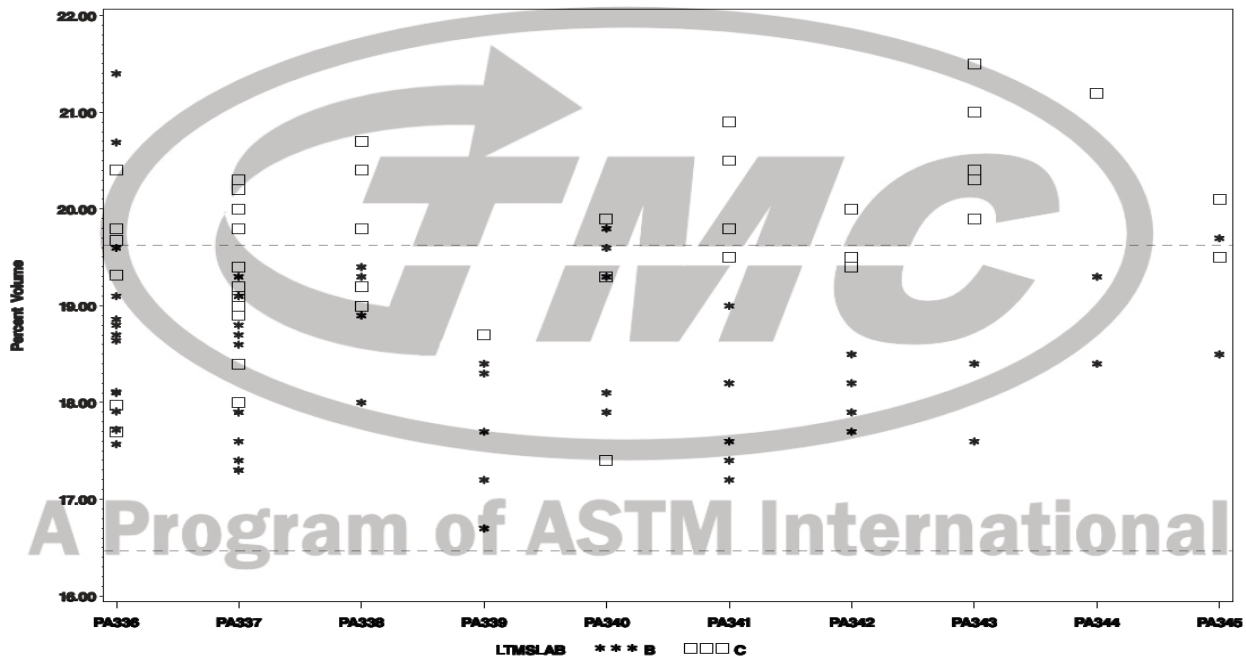
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**OSCT (PA)**  
**Reference Oil 161-1 (Mean = 68.88)**  
**Percent Elongation Results VS Shewhart Severity Limits**

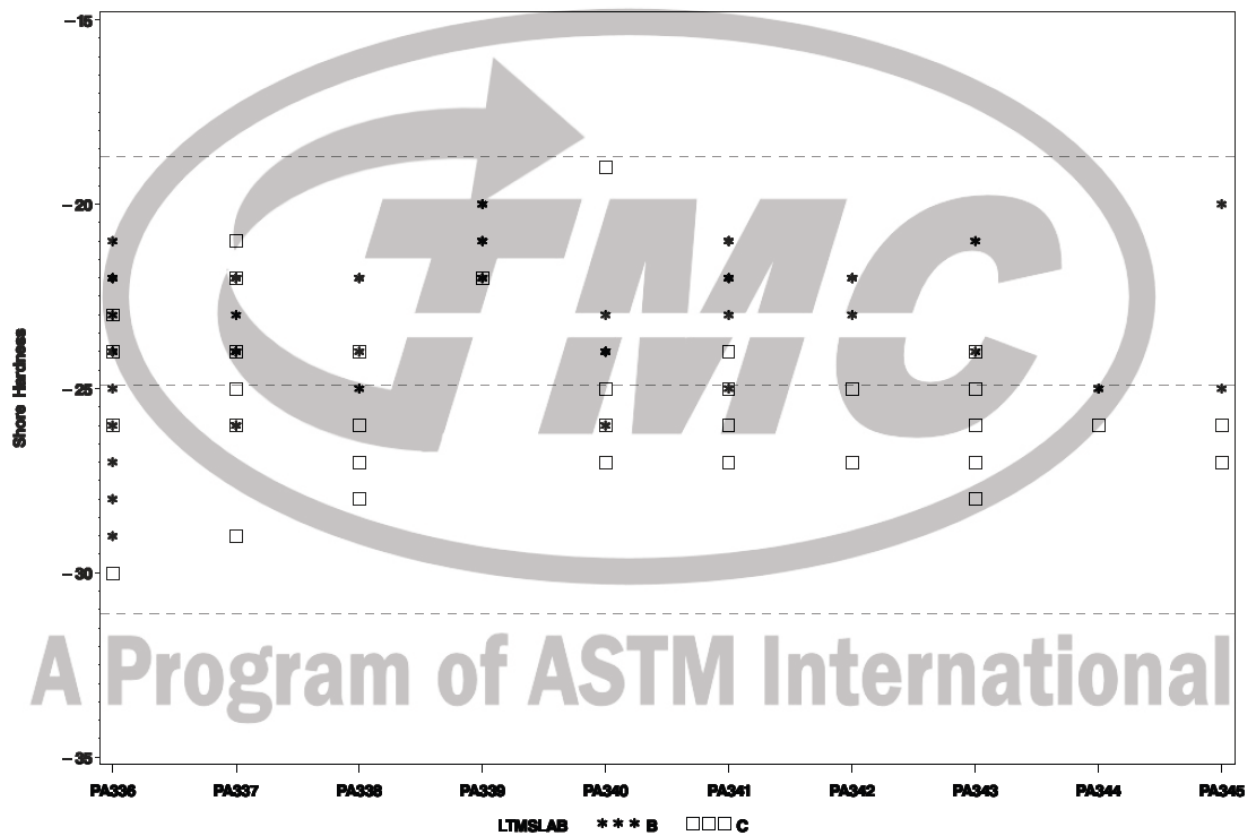


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OSCT (PA)  
 Reference Oil 161-1 (Mean = 19.624)  
 Percent Volume Results VS Shewhart Severity Limits

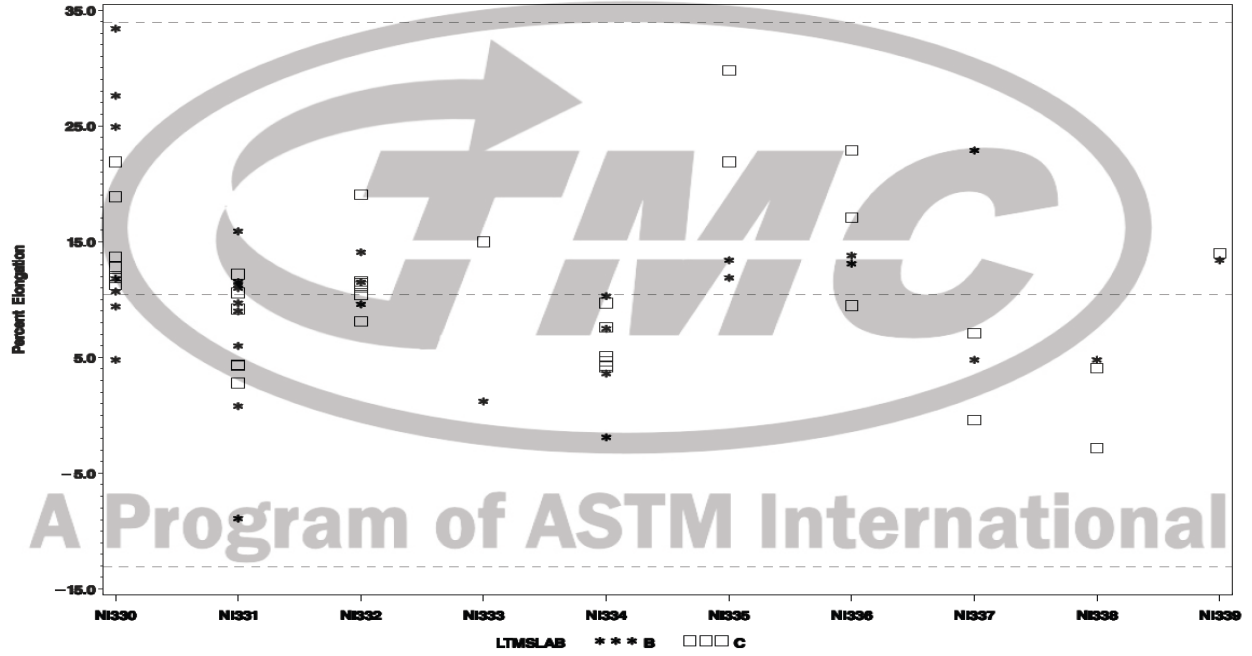


OSCT (PA)  
 Reference Oil 161-1 (Mean = -24.9)  
 Shore Hardness Results VS Shewhart Severity Limits

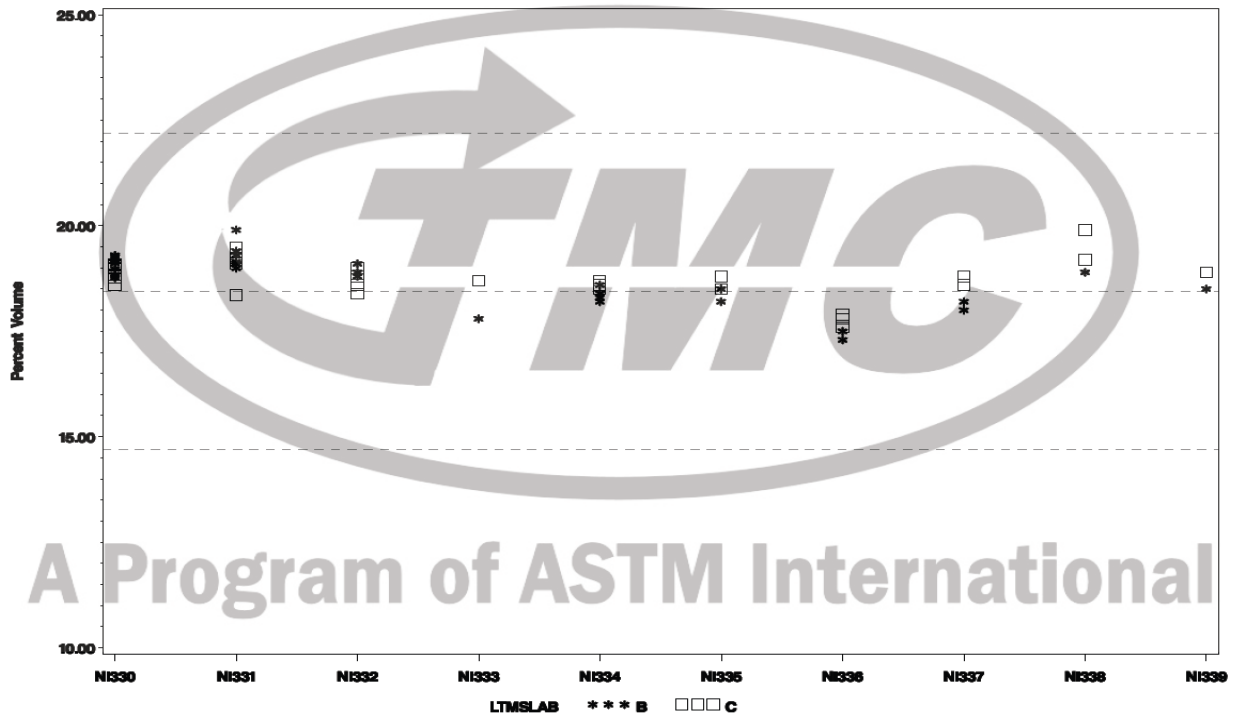


# **NI339: TMC Reference Oil Data**

OSCT (NI)  
Reference Oil 161-1 (Mean = 10.43)  
Percent Elongation Results VS Shewhart Severity Limits

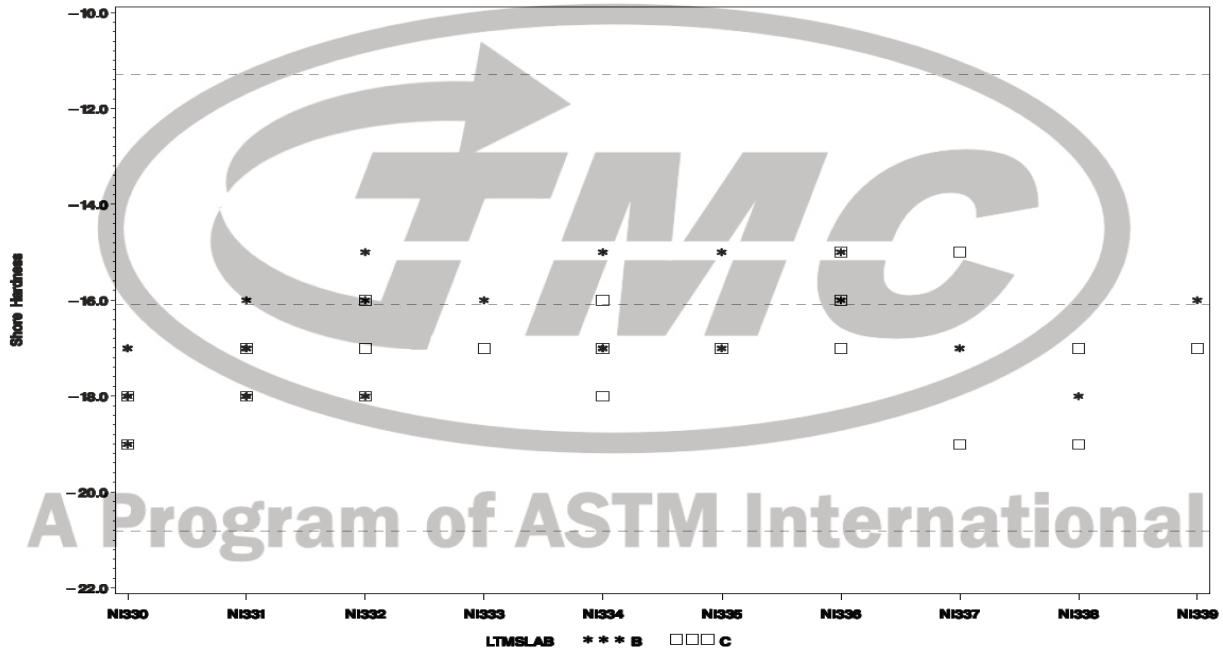


OSCT (NI)  
Reference Oil 161-1 (Mean = 18.444)  
Percent Volume Results VS Shewhart Severity Limits

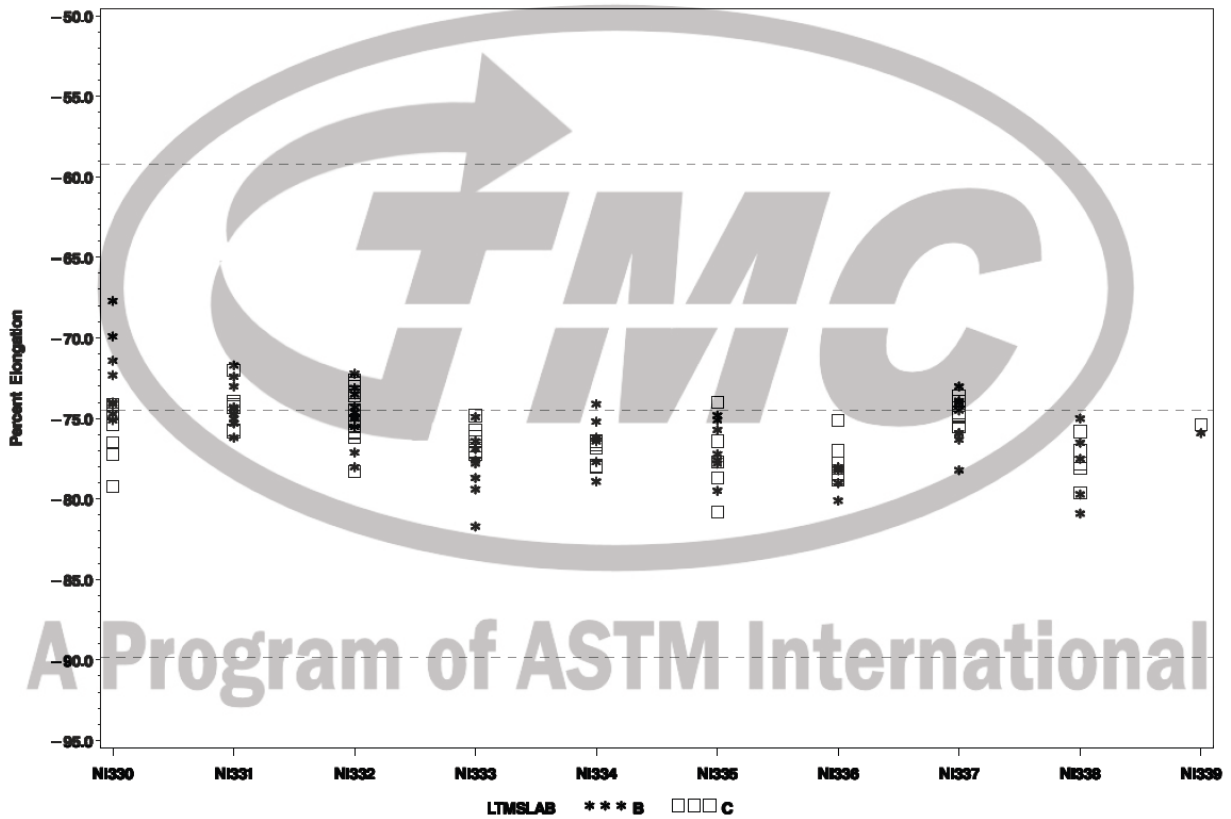




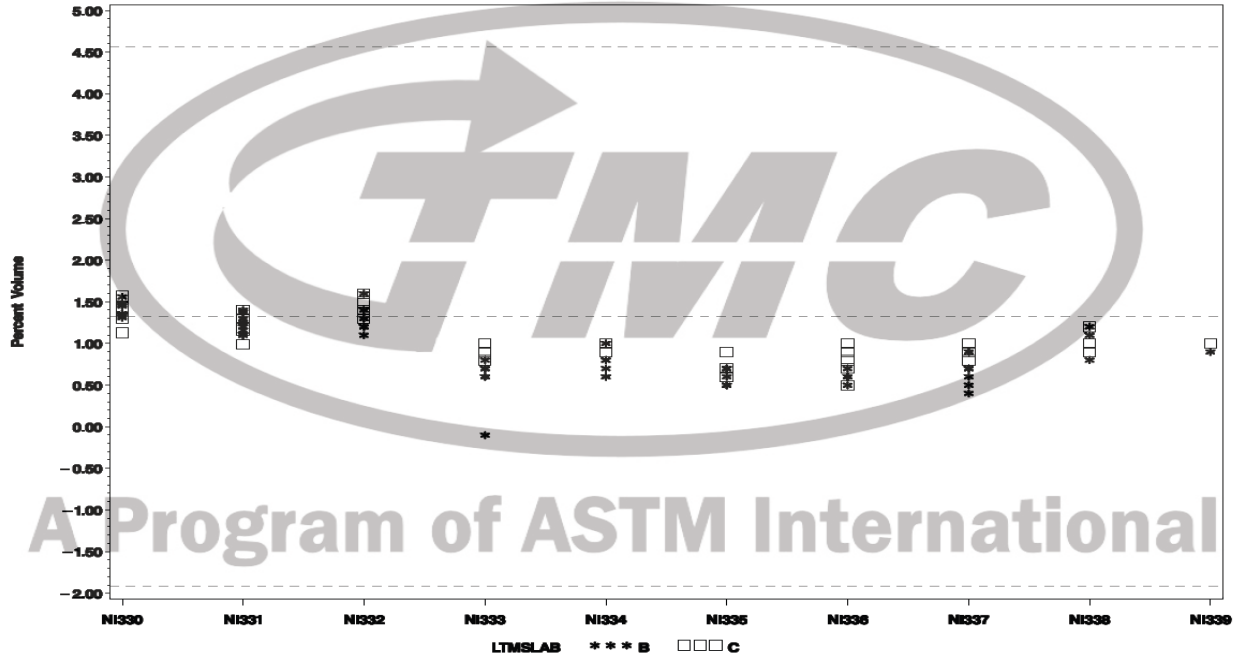
**OSCT (NI)**  
**Reference Oil 161-1 (Mean = -16.1)**  
**Shore Hardness Results VS Shewhart Severity Limits**



**OSCT (NI)**  
**Reference Oil 168 (Mean = -74.52)**  
**Percent Elongation Results VS Shewhart Severity Limits**

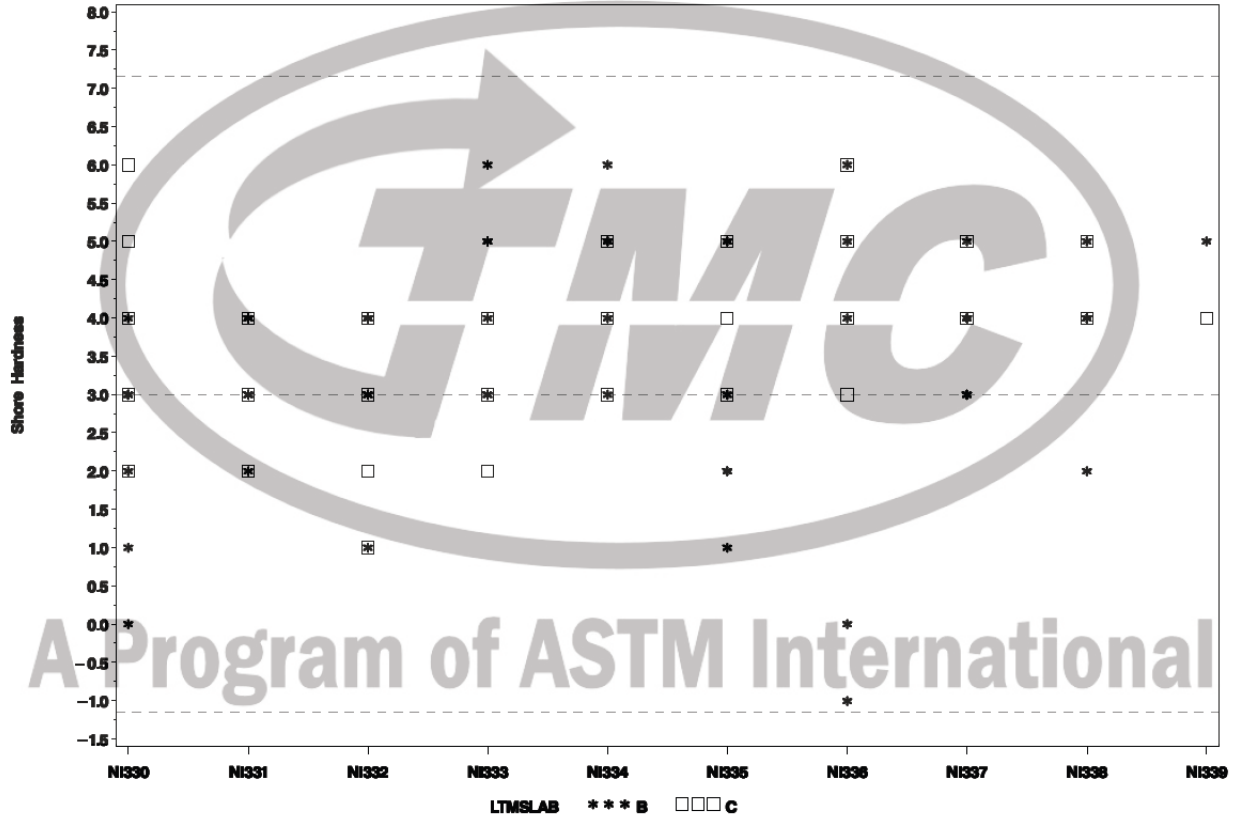


**OSCT (NI)**  
**Reference Oil 168 (Mean = 1.326)**  
**Percent Volume Results VS Shewhart Severity Limits**



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**OSCT (NI)**  
**Reference Oil 168 (Mean = 3)**  
**Shore Hardness Results VS Shewhart Severity Limits**



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