

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

Webex Teleconference on 5/22/2014

Participants:

D. Bell (Afton)                      C. Knight (TEI)                      Z. Bishop (TEI)                      C. Nystrom (SWRI)  
S. Parke (TMC)                      J. Gropp (Lz)                      D. Mosher (Eaton)                      B. McGlone (Meritor)

The OSCT Surveillance Panel meeting was called to order at 2:08 pm on 5/22/2014.

The Test Engineering Institute (TEI) compiled the qualification data generated by SWRI and Lubrizol for three new lots of polyacrylate, fluoroelastomer, and nitrile seals. The data for each seal in the reference oils was reviewed and compared against the acceptance bands and data on prior lots (see Appendix for data).

The %elongation change, %volume change, and shore hardness change data for polyacrylate PA349 in reference oils 160-1 and 169 were within the acceptance bands. A motion made by D. Bell and 2<sup>nd</sup> by J. Gropp passed unanimously (7 approved): Effective immediately approve PA349 for conducting testing per ASTM D5662. TEI was informed to release the 278 slabs of PA349 for sale and order a new lot.

The %elongation change, %volume change, and shore hardness change data for fluoroelastomer FL392 in reference oils 160-1 and 169 were also within the acceptance bands. A motion made by D. Bell and 2<sup>nd</sup> by J. Gropp passed unanimously (7 approved): Effective immediately approve FL392 for conducting testing per ASTM D5662. TEI was informed to release the 178 slabs of FL392 for sale and order a new lot.

The %elongation change, %volume change, and shore hardness change data for nitrile NI342 in reference oils 168 and 169 were within the acceptance bands. A motion made by D. Bell and 2<sup>nd</sup> by Z. Bishop passed unanimously (7 approved): Effective immediately approve NI342 for conducting testing per ASTM D5662. TEI was informed to release the 278 slabs of NI342 for sale.

A motion to adjourn made by D. Bell was unanimously (7 approved) approved at 2:19 pm on 5/22/2014.

Respectfully Submitted,

Don Bell

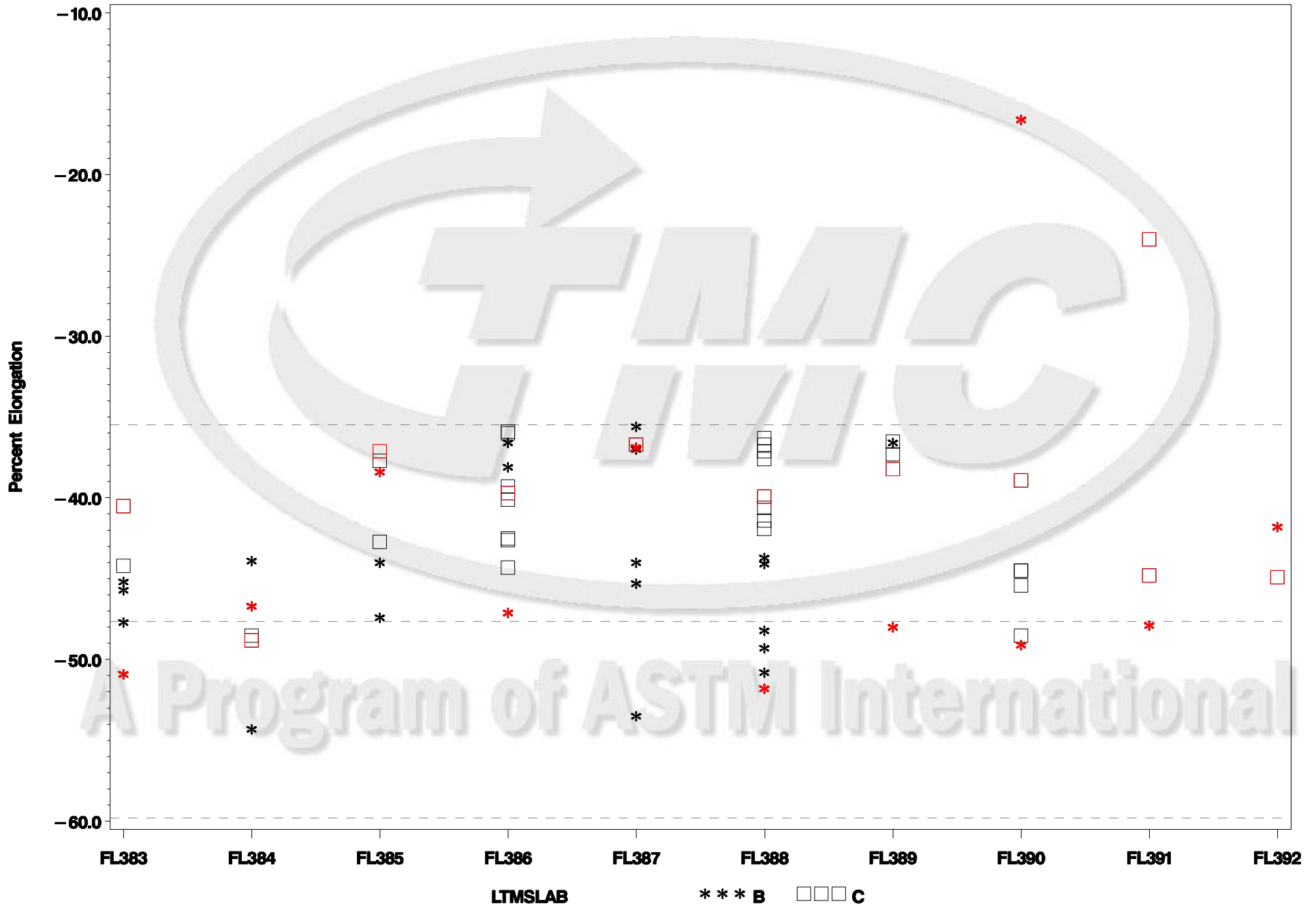


# **Appendix**

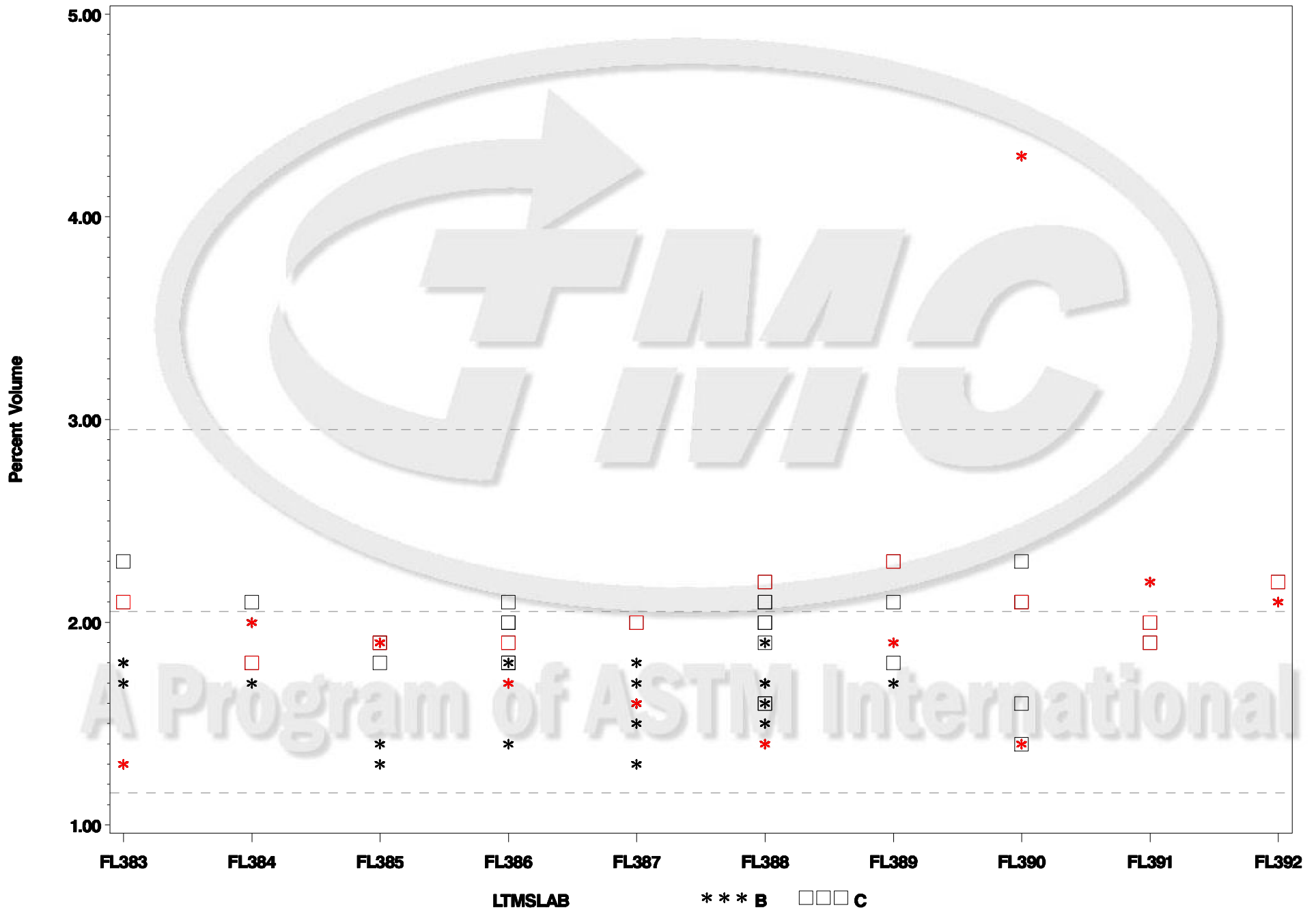
**OSCT Surveillance Panel Meeting**

**5/22/2014**

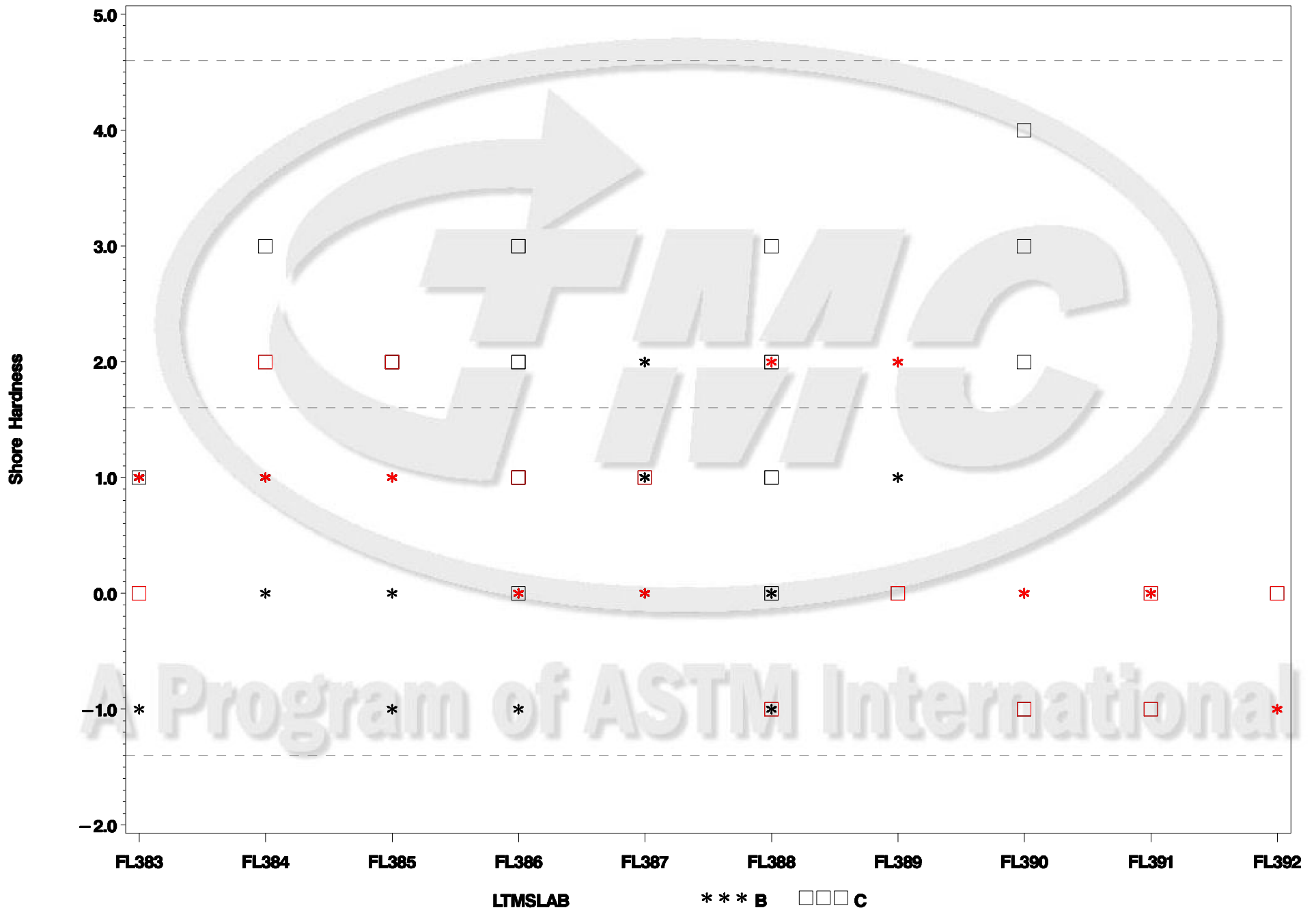
OSCT (FL)  
Reference Oil 160-1 (Mean = -47.65)  
Percent Elongation Results VS Shewhart Severity Limits



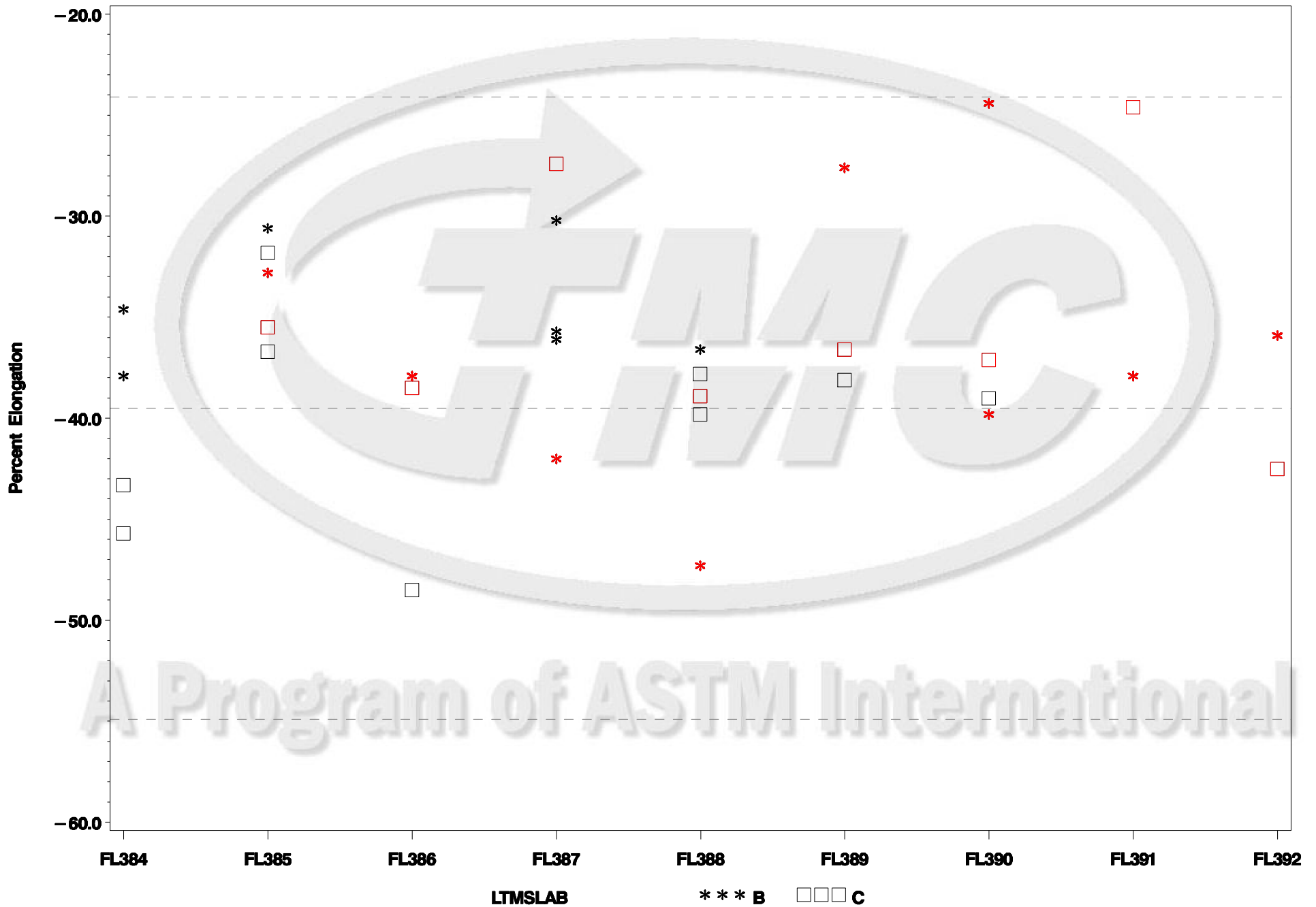
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 2.053)**  
**Percent Volume Results VS Shewhart Severity Limits**



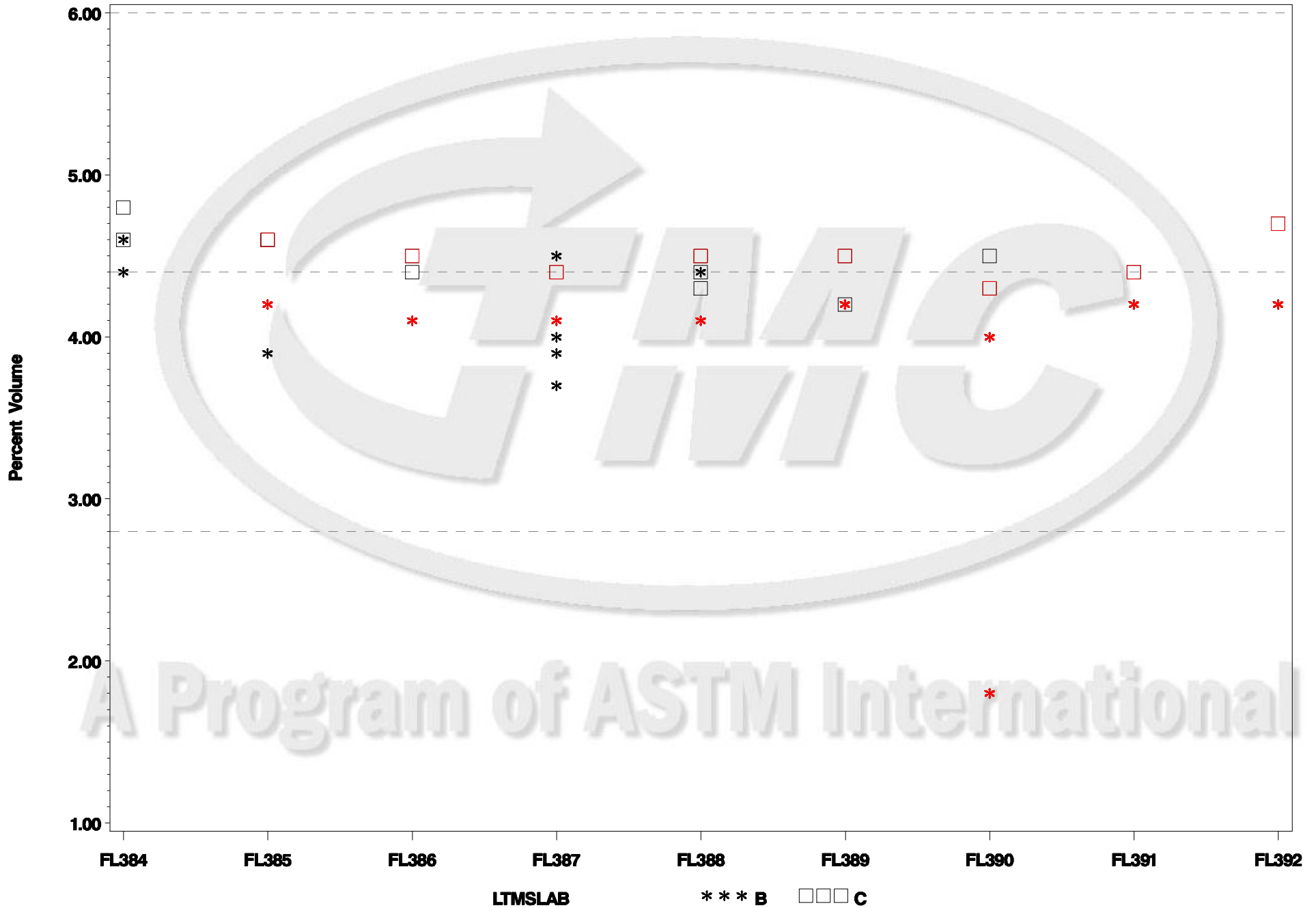
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 1.6)**  
**Shore Hardness Results VS Shewhart Severity Limits**



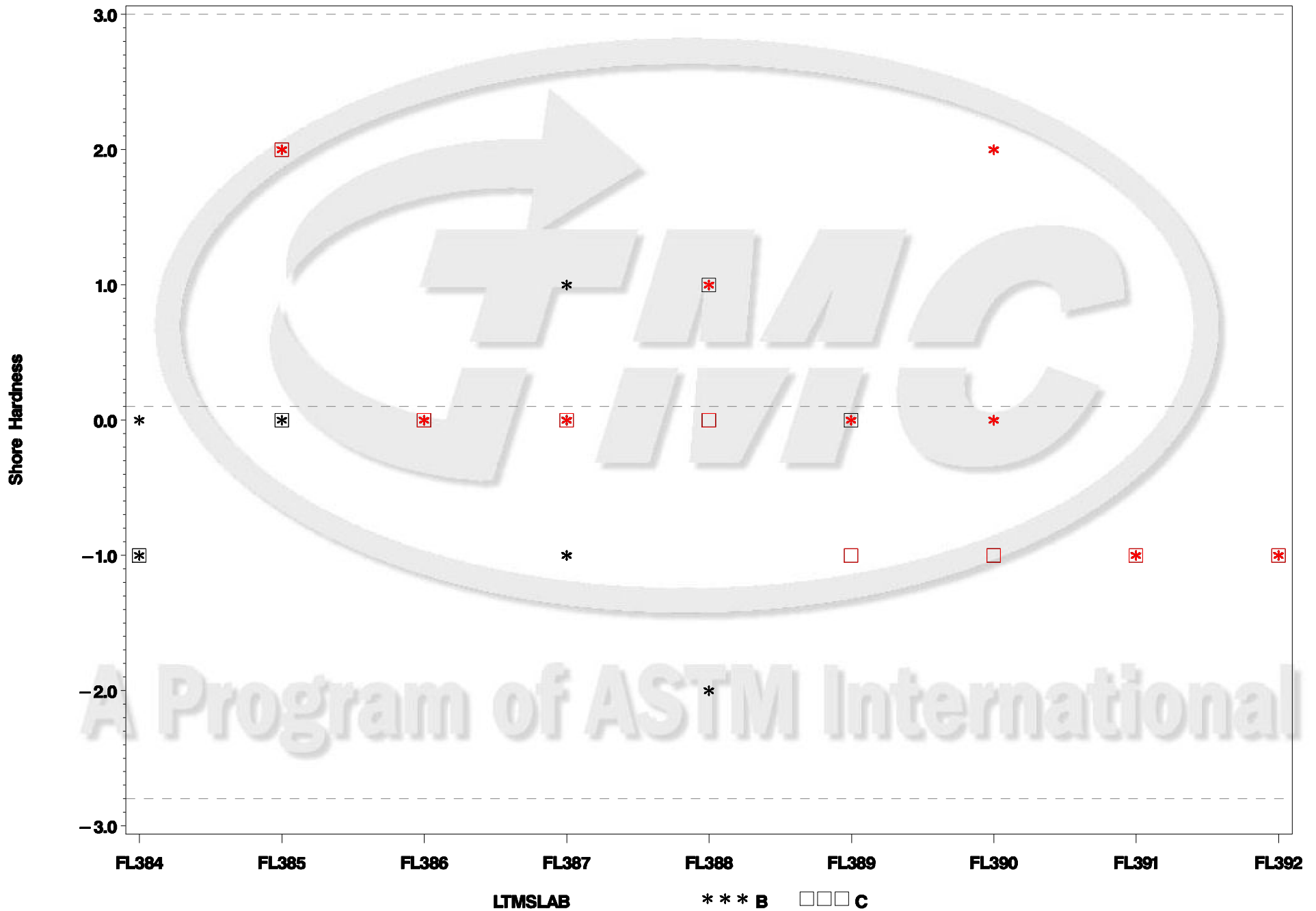
OSCT (FL)  
Reference Oil 169 (Mean = -39.5)  
Percent Elongation Results VS Shewhart Severity Limits



**OSCT (FL)**  
**Reference Oil 169 (Mean = 4.4)**  
**Percent Volume Results VS Shewhart Severity Limits**

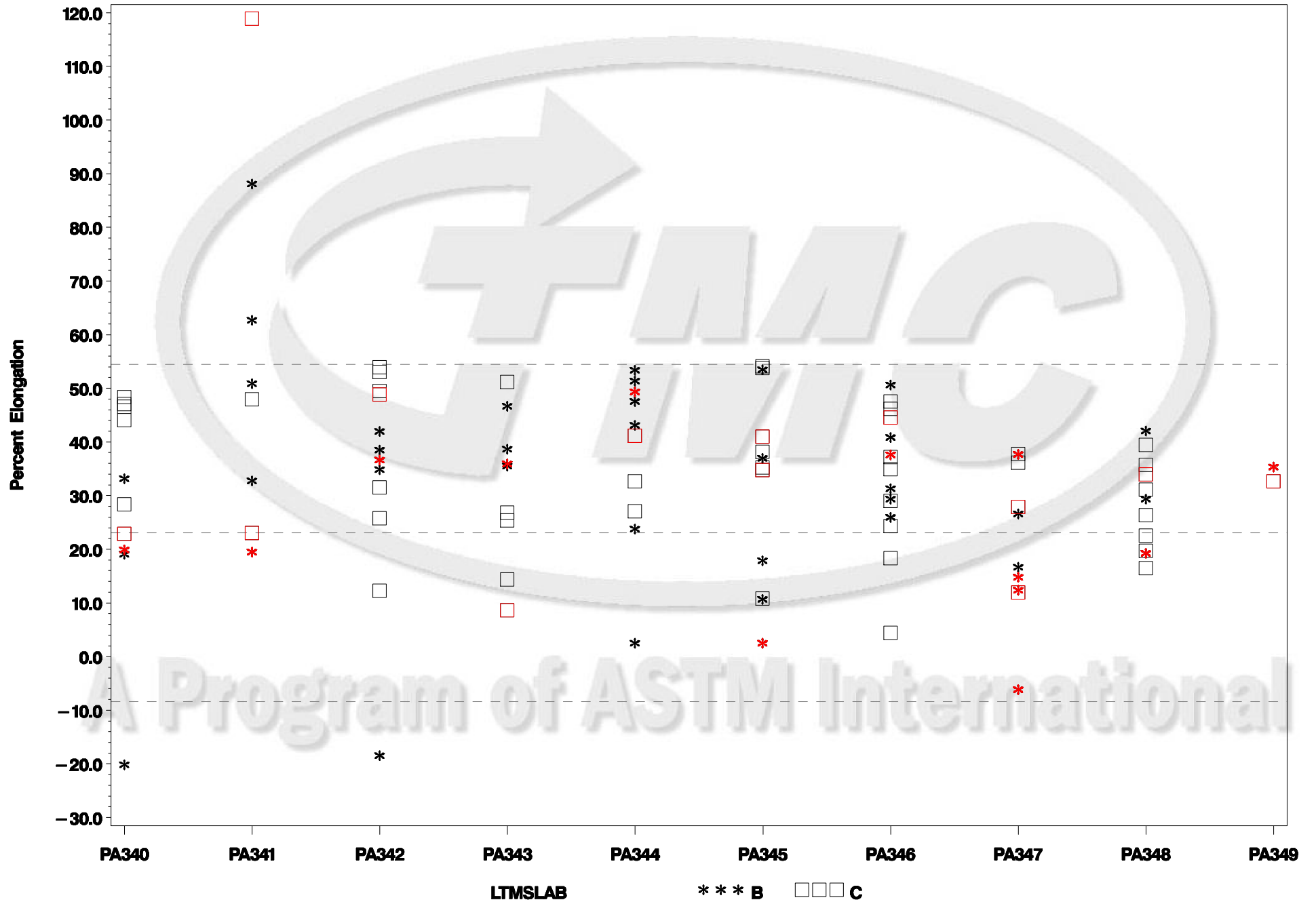


OSCT (FL)  
Reference Oil 169 (Mean = 0.1)  
Shore Hardness Results VS Shewhart Severity Limits

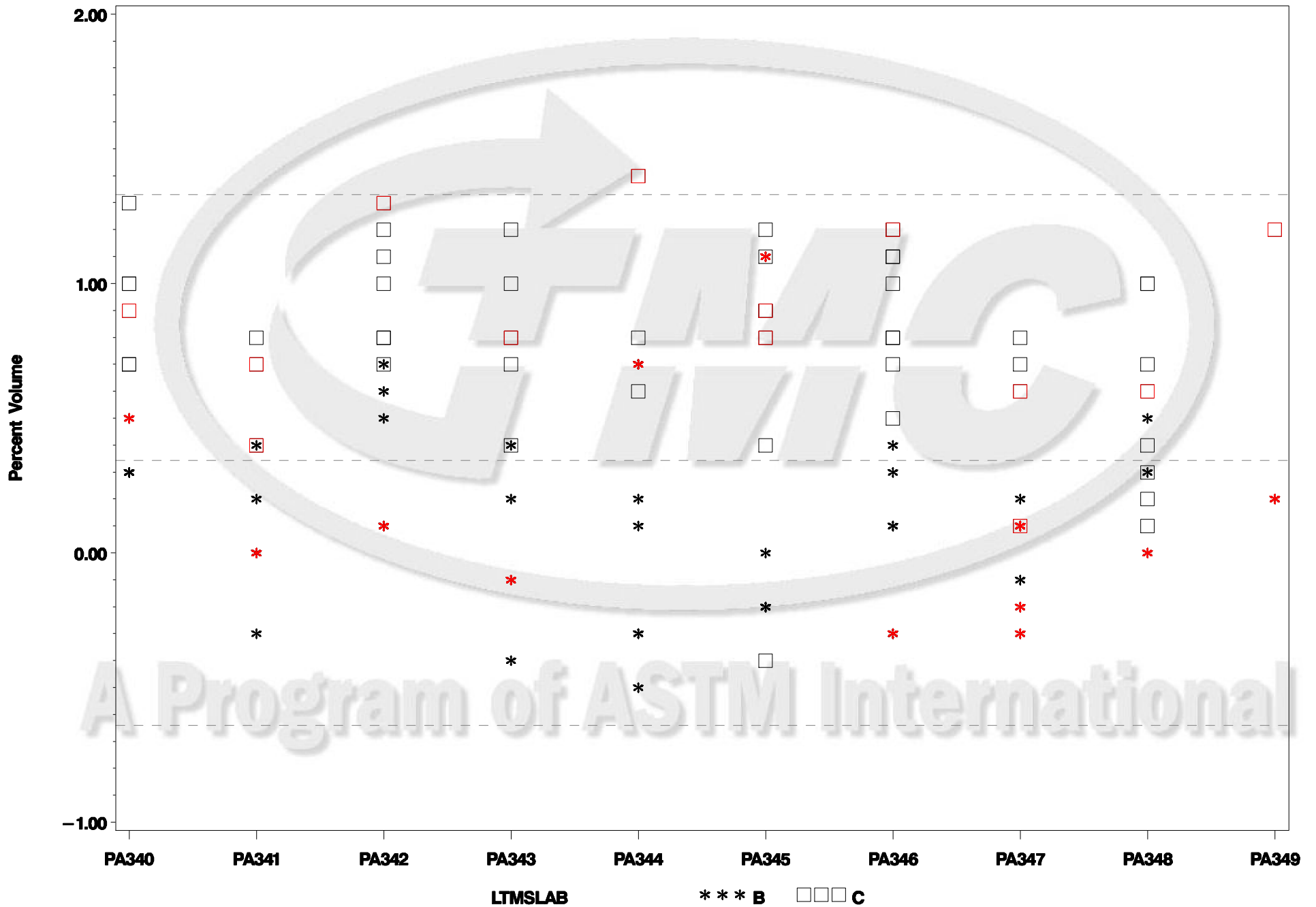




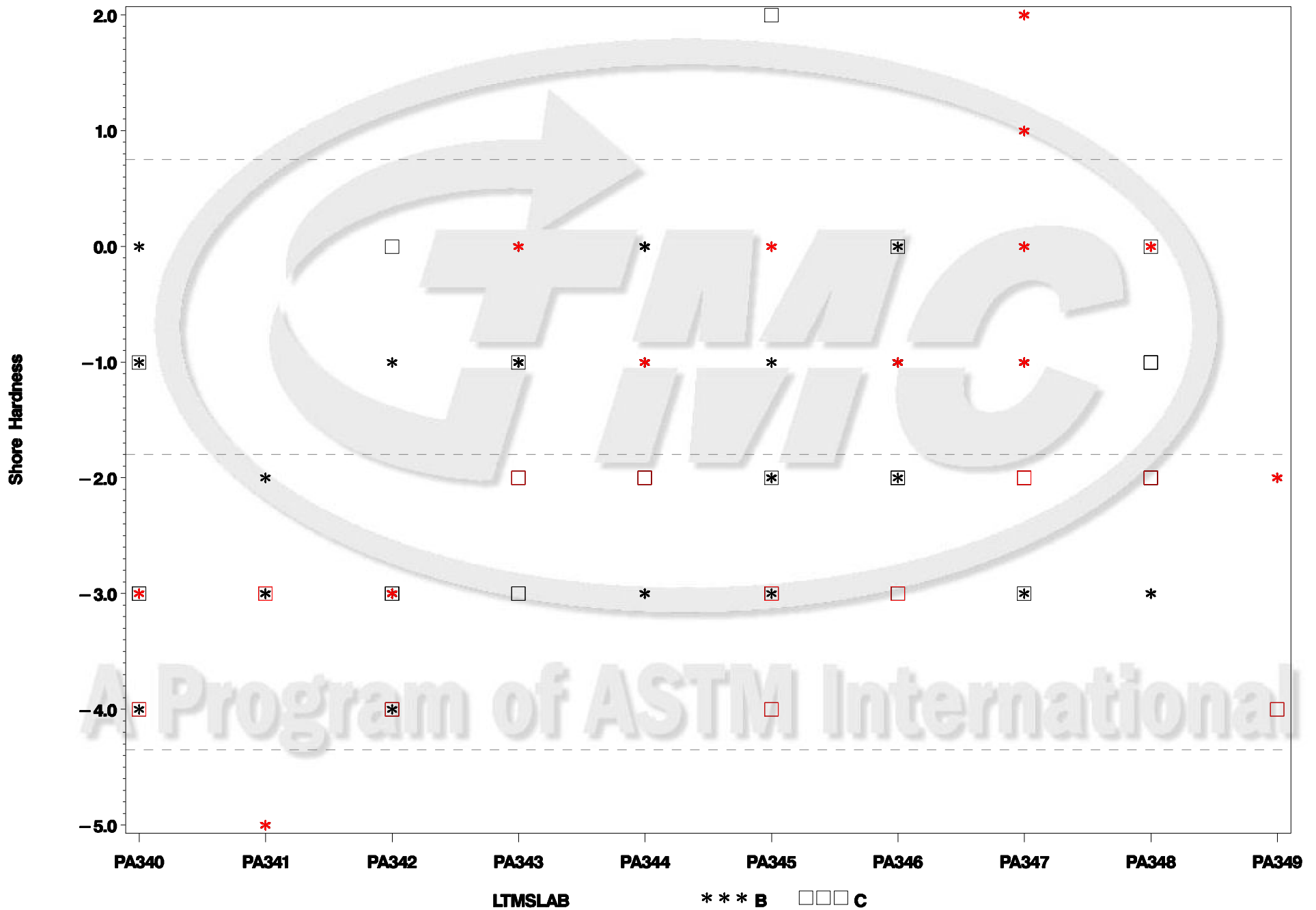
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = 23.04)**  
**Percent Elongation Results VS Shewhart Severity Limits**



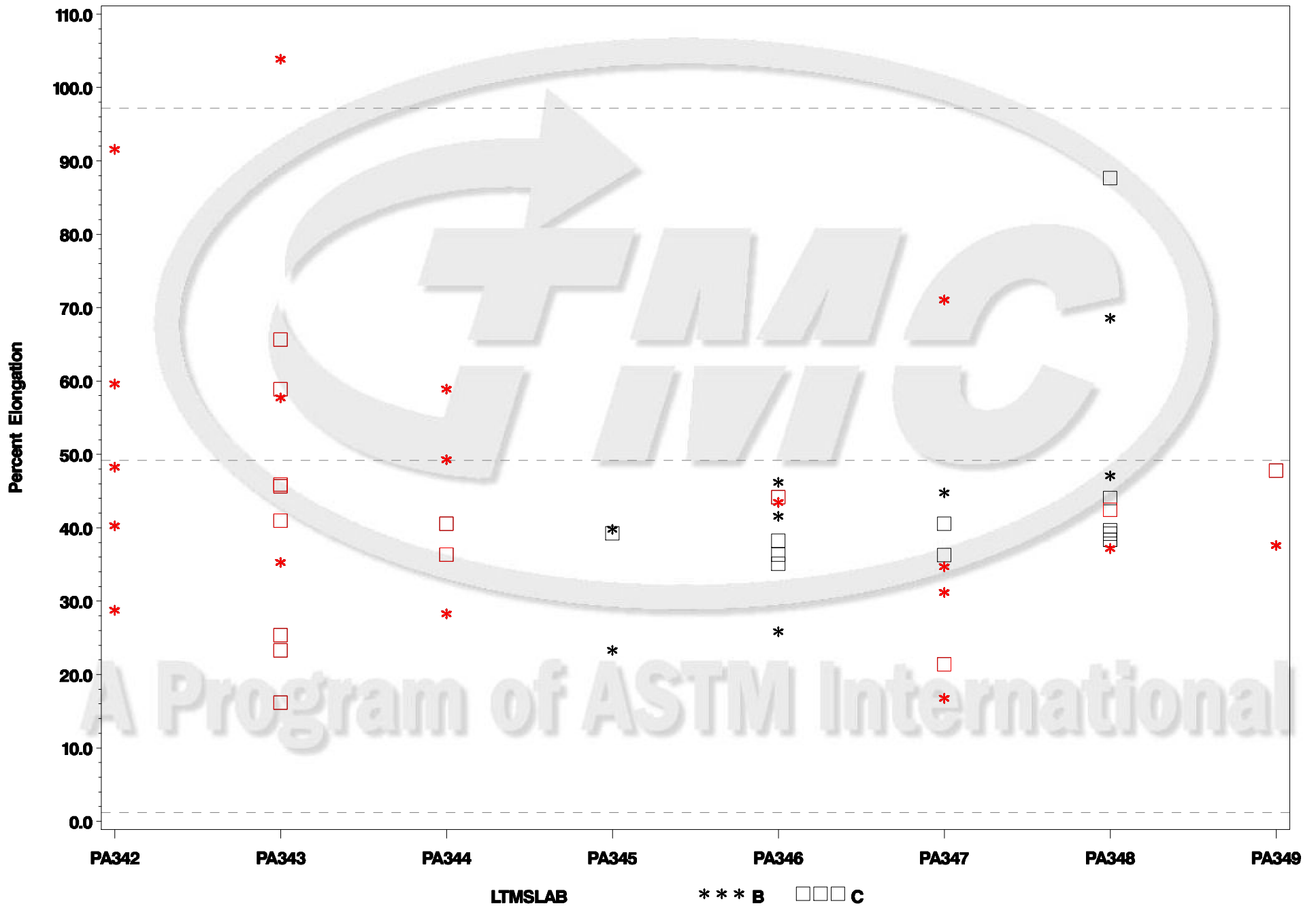
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = 0.343)**  
**Percent Volume Results VS Shewhart Severity Limits**



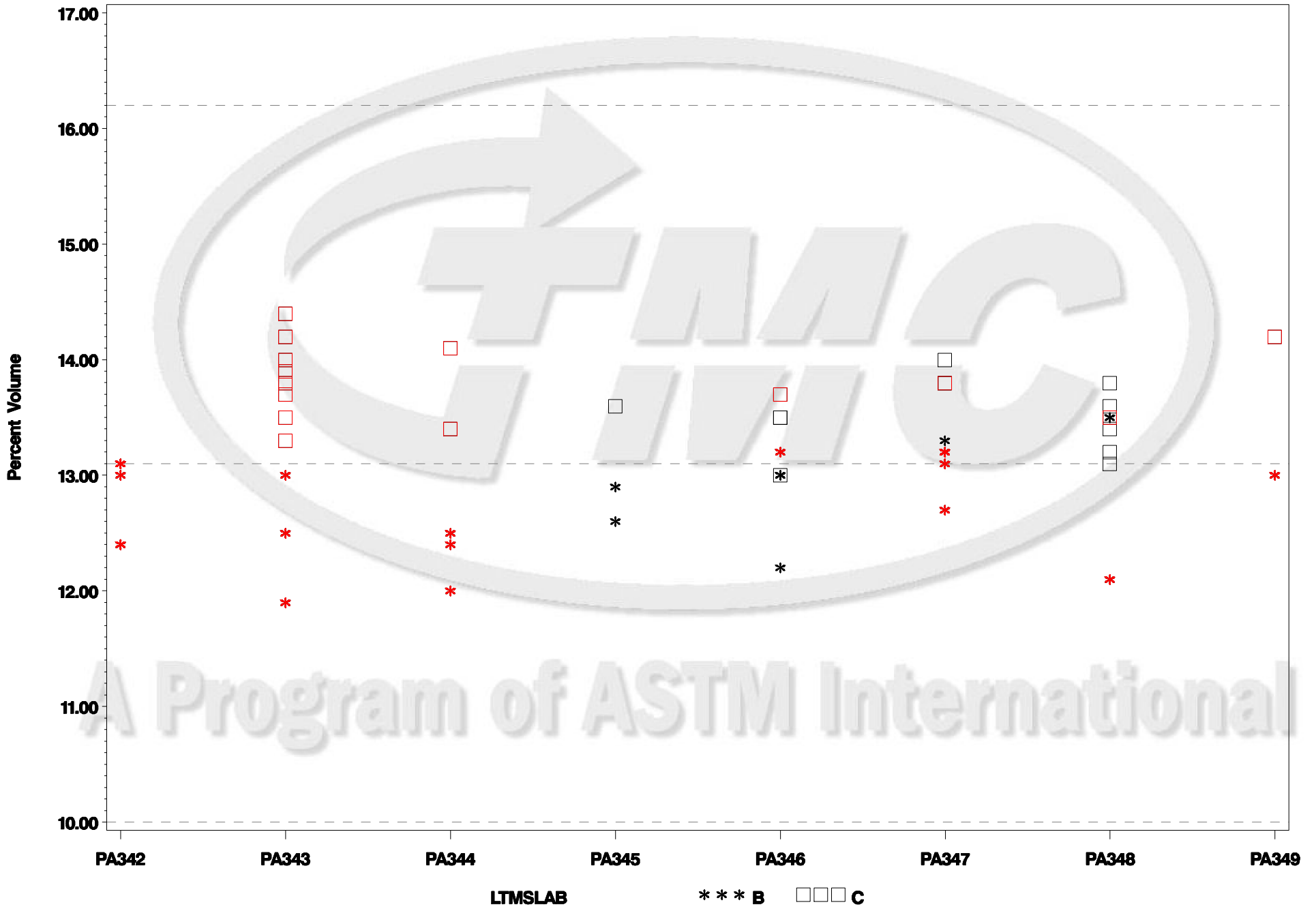
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = -1.8)**  
**Shore Hardness Results VS Shewhart Severity Limits**



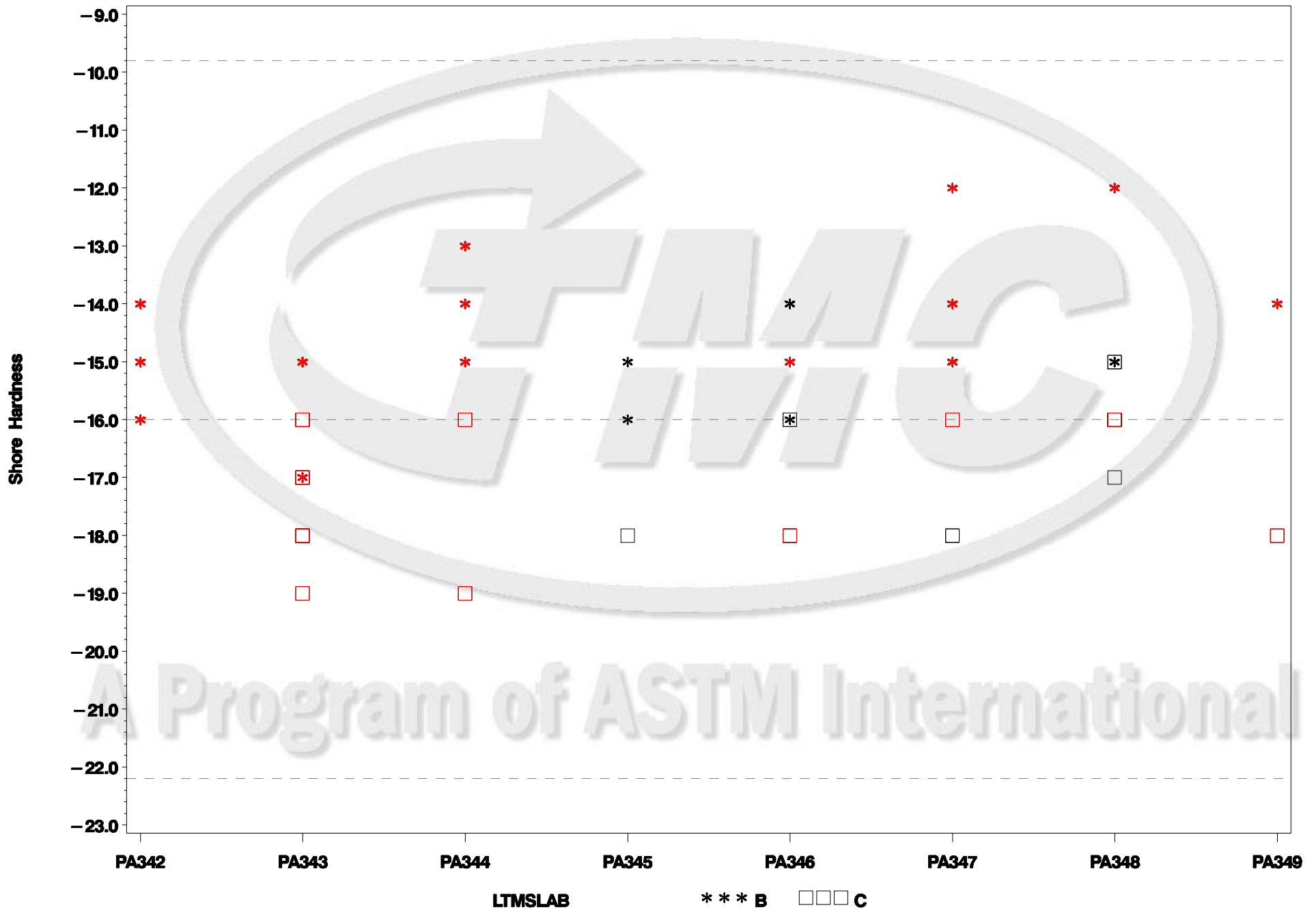
**OSCT (PA)**  
**Reference Oil 169 (Mean = 49.2)**  
**Percent Elongation Results VS Shewhart Severity Limits**



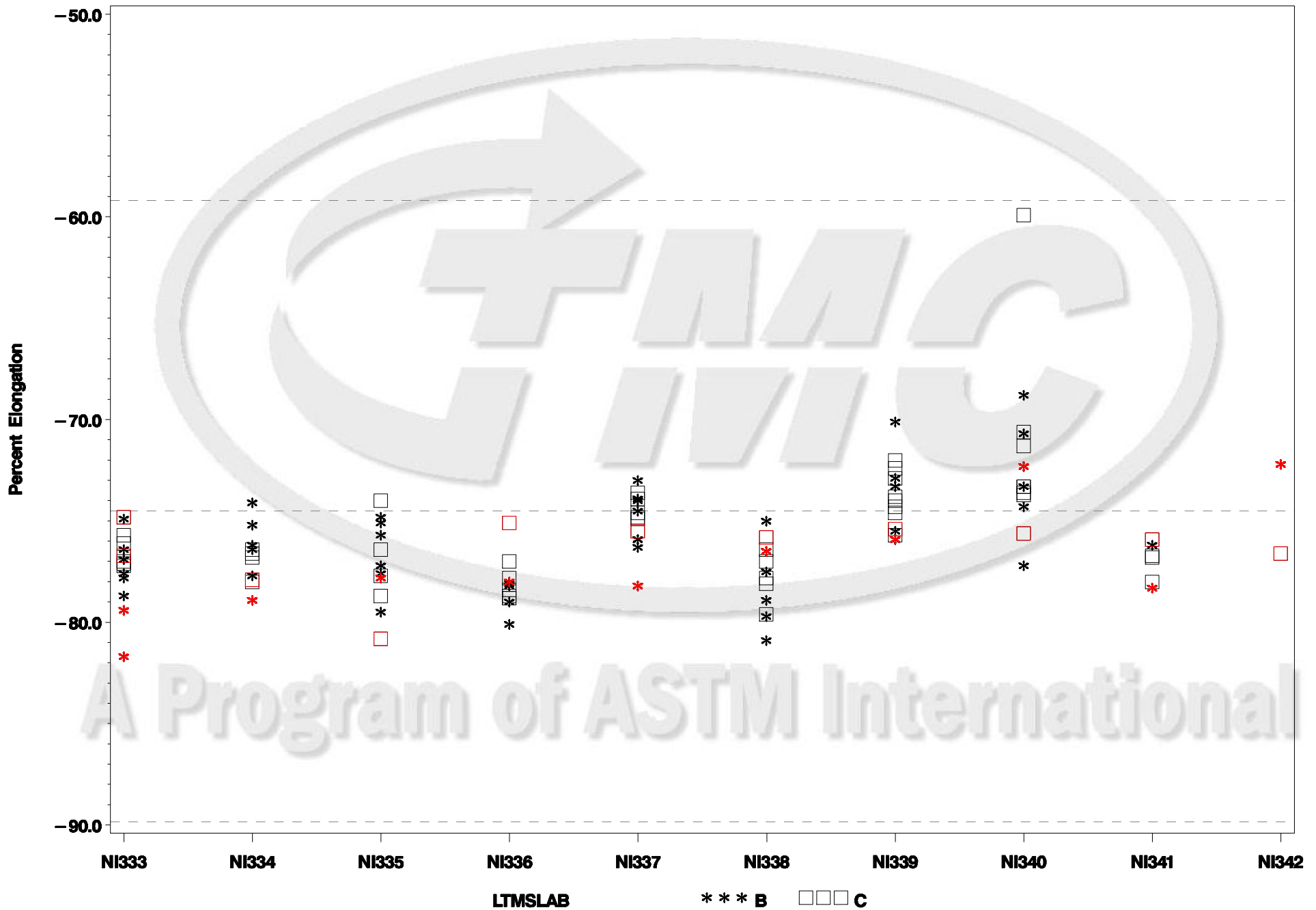
**OSCT (PA)**  
**Reference Oil 169 (Mean = 13.1)**  
**Percent Volume Results VS Shewhart Severity Limits**



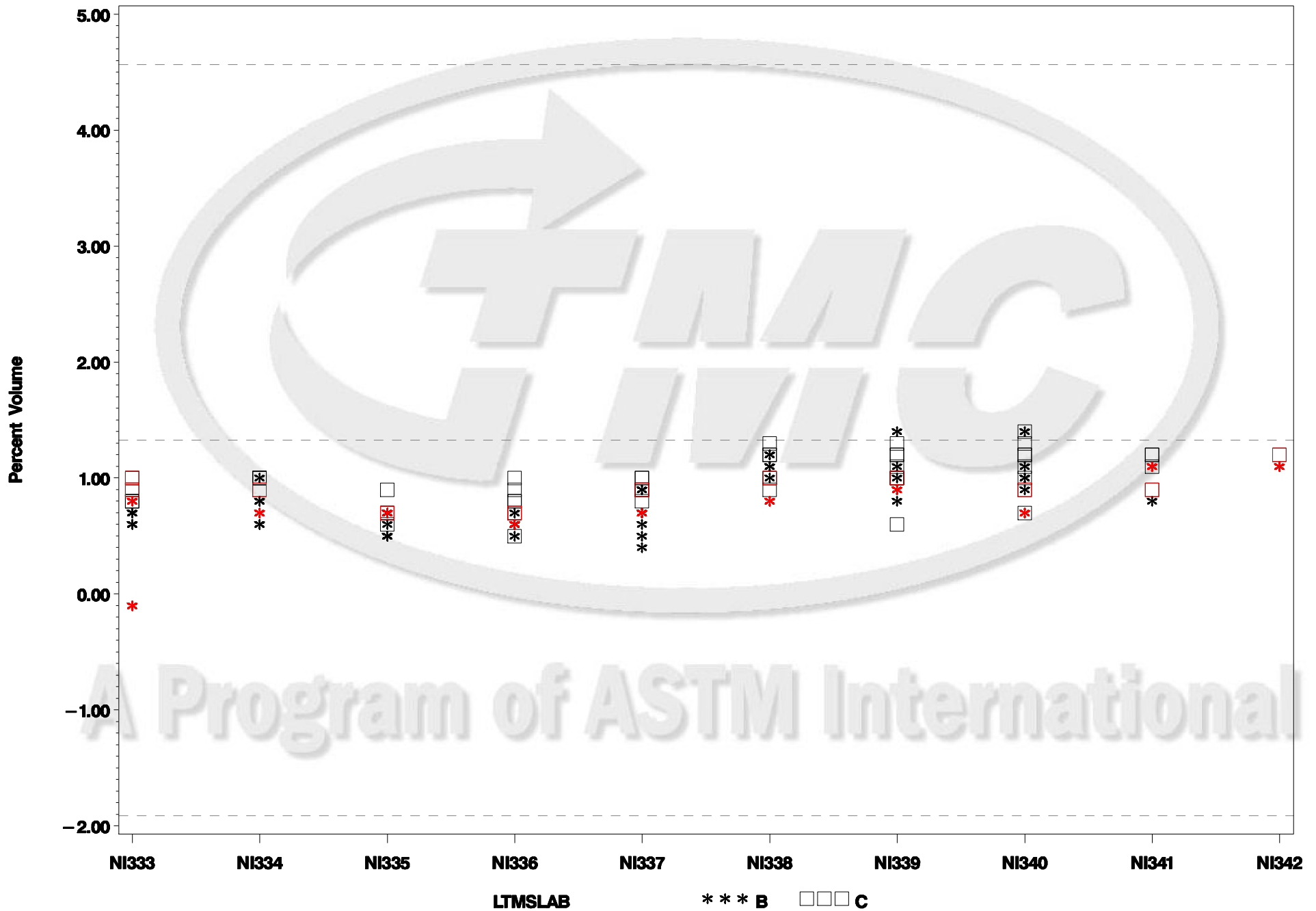
OSCT (PA)  
Reference Oil 169 (Mean = -16.0)  
Shore Hardness Results VS Shewhart Severity Limits



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

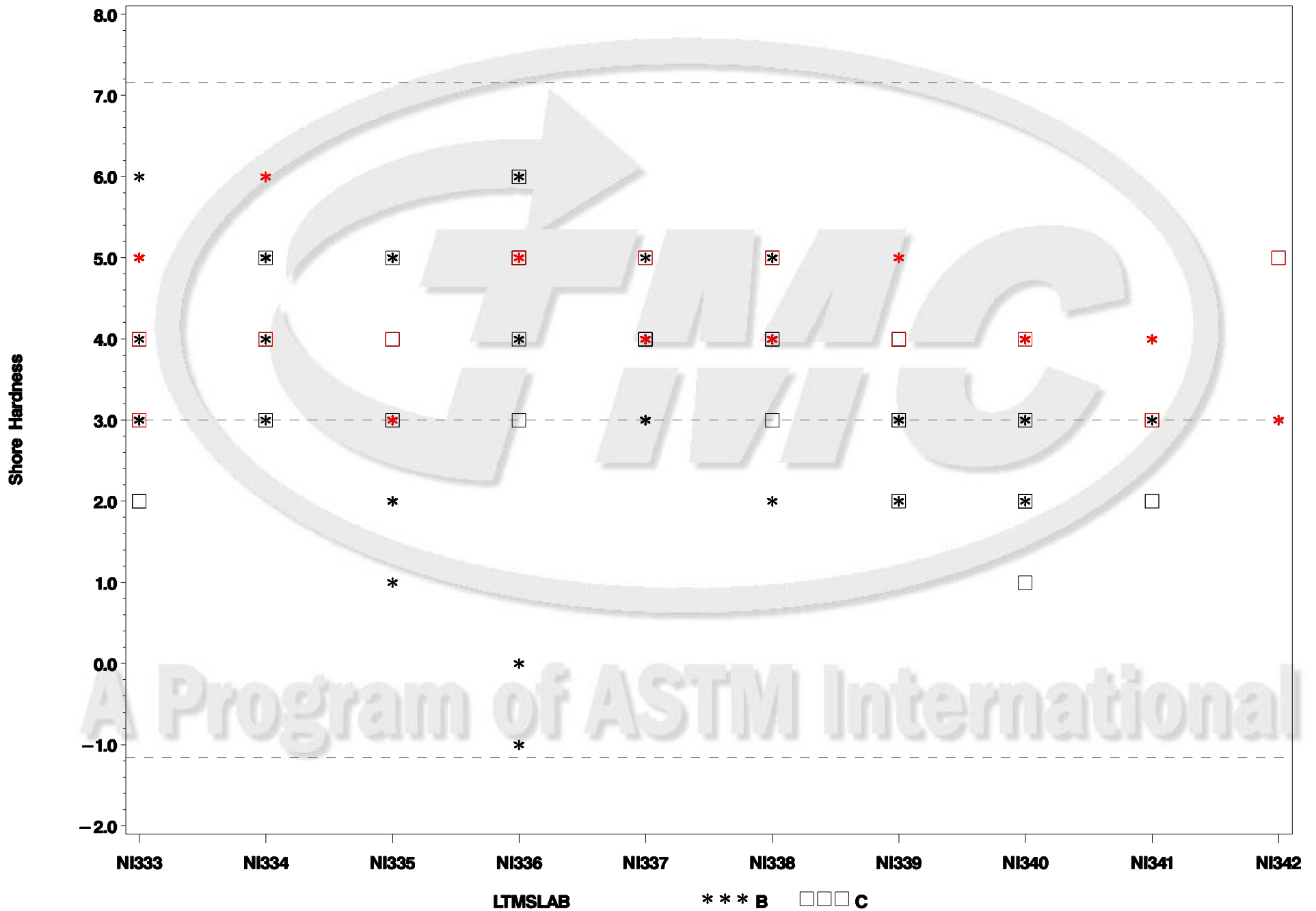


**OSCT (NI)**  
**Reference Oil 168 (Mean = 1.326)**  
**Percent Volume Results VS Shewhart Severity Limits**

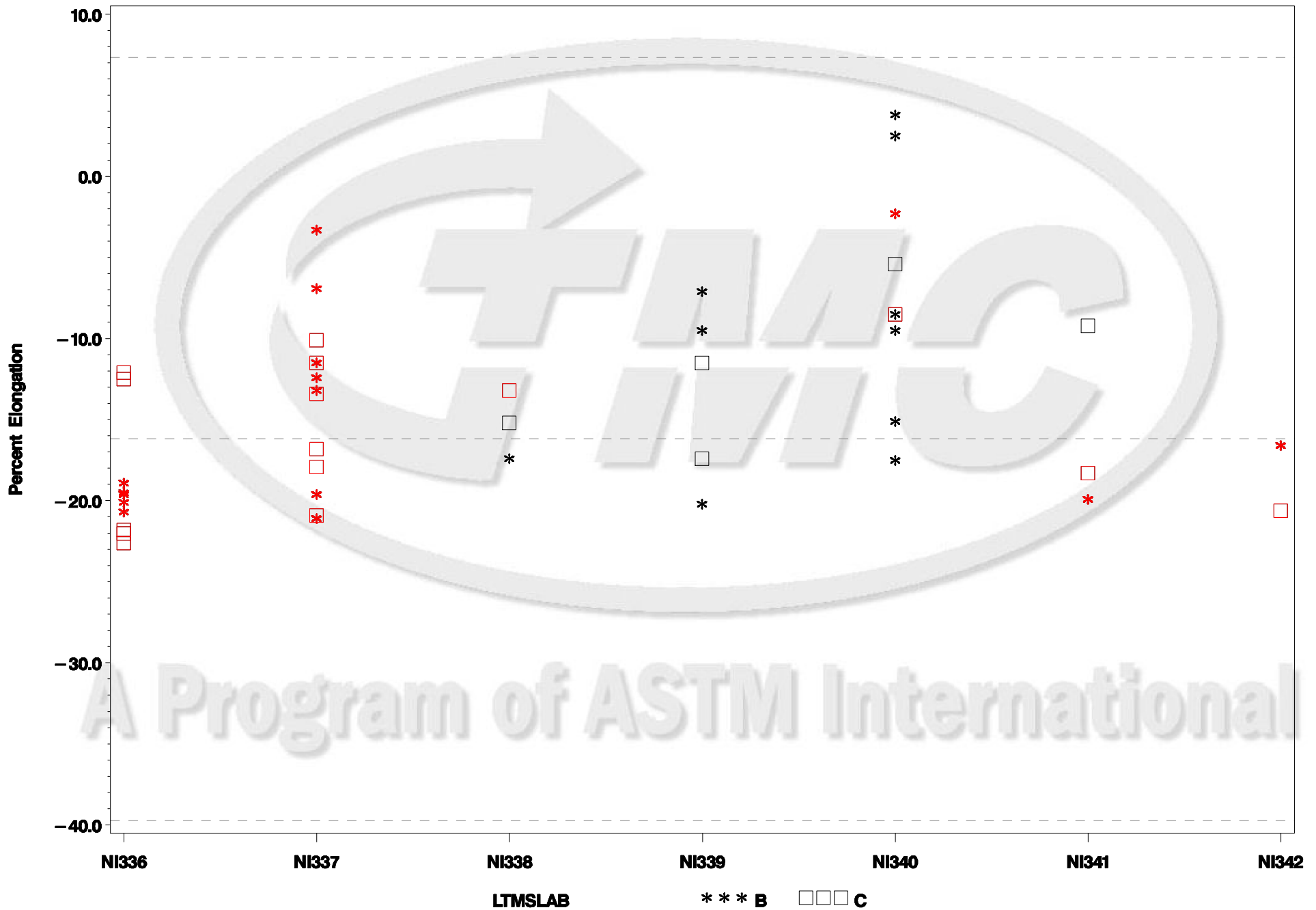




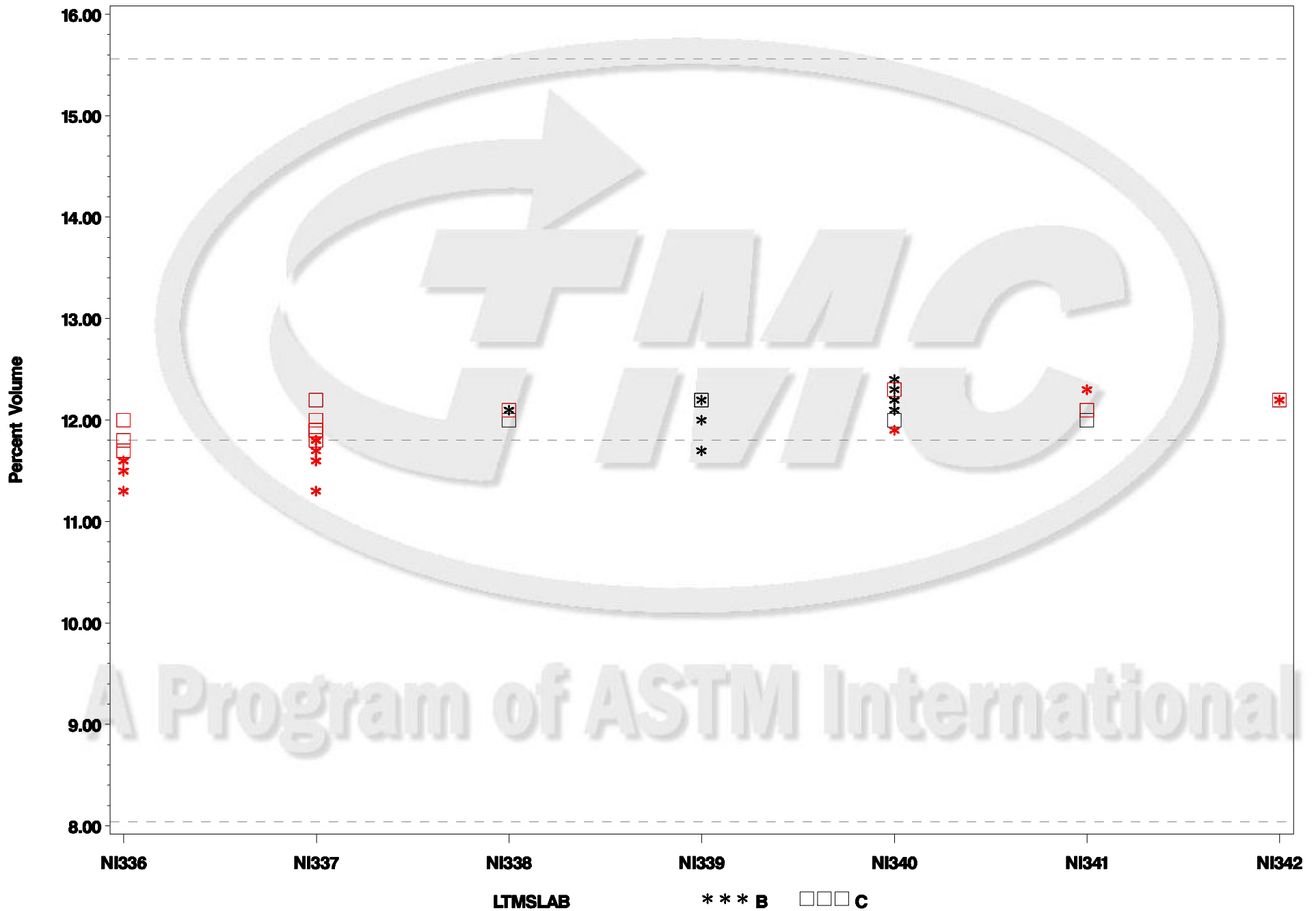
**OSCT (NI)**  
**Reference Oil 168 (Mean = 3)**  
**Shore Hardness Results VS Shewhart Severity Limits**



**OSCT (NI)**  
**Reference Oil 169 (Mean = -16.2)**  
**Percent Elongation Results VS Shewhart Severity Limits**



OSCT (NI)  
Reference Oil 169 (Mean = 11.8)  
Percent Volume Results VS Shewhart Severity Limits



OSCT (NI)  
Reference Oil 169 (Mean = -8.6)  
Shore Hardness Results VS Shewhart Severity Limits

