

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

Teleconference

6/9/2011

D. Bell

Participants:

S. Parke (TMC)	J. D'harte (AAM)	J. Keiter (Lz)
J. Gropp (Lz)	B. McGlone (Meritor)	T. Muransky (Meritor)
D. Bell (Afton)	B. Grinfield (SWRI)	C. Knight (TEI)

The recent qualification data conducted by Lz and SWRI and compiled by the Test Monitoring Center (TMC) for the new batch of fluoroelastomer, FL382 (data in Appendix), was reviewed by the Panel. All of the data for FL382 in both 160-1 and 161-1 reference oils fell within the Shewhart acceptance bands. A motion was made by D. Bell and 2<sup>nd</sup> by B. Grinfield: Effective immediately approve FL382 batch for testing per ASTM D5662. The motion passed with 6 approvals and one waiver by Test Engineering Institute (TEI). TEI was instructed to release FL382 for sale as orders are received. TEI currently has 178 slabs of FL382 and expects delivery of 200 slabs of FL383 by late June 2011 for qualification testing.


The panel also reviewed the Lz and SWRI qualification data compiled by the TMC for the new batch of polyacrylate, PA344 (data in Appendix). All of the data for PA344 in both 160-1 and 161-1 reference oils fell within the Shewhart acceptance bands, with two exceptions:

- Lab C was slightly high outside of the acceptance bands for volume % change in 160-1 ref. oil. The maximum limit is about 1.32 % vol change, but Lab C had a value of ~1.38 % vol change, while Lab B was only slightly above the mean.
- Lab B was slightly high outside of the acceptance bands for % elongation in ref. oil 161-1. The maximum limit is ~106 % elongation, but lab B had a value of ~110 % elongation, while lab C was only slightly above the mean.

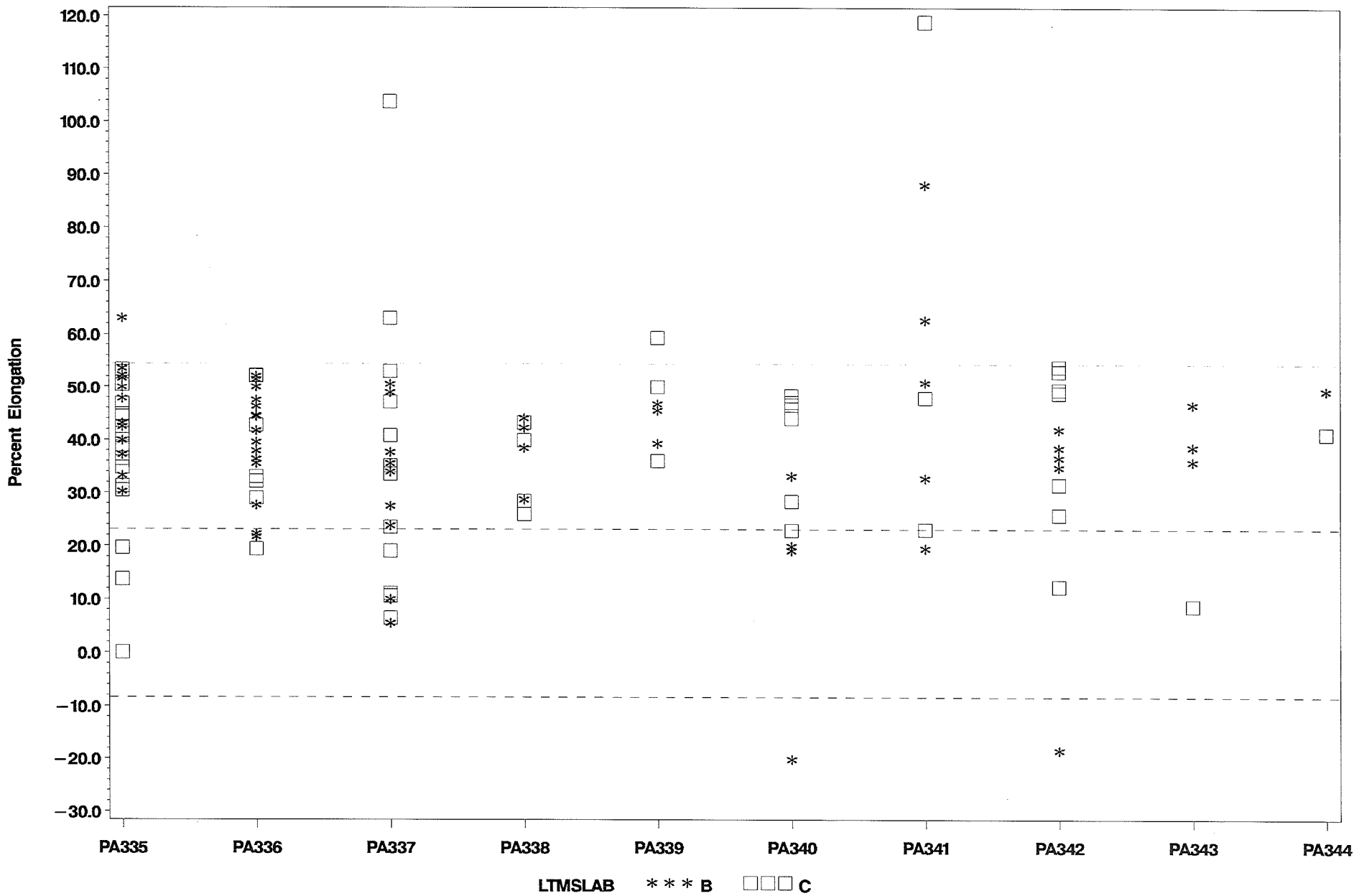
Since both values that were above the mean were very close to passing and were off-set with a passing value closer to the mean from the alternate lab, the panel was comfortable with entertaining a motion made by J. Gropp and 2<sup>nd</sup> by B. McGlone: Effective immediately approve PA344 batch for testing per ASTM D5662. The motion passed with 5 approvals and two waivers by TEI and TMC. TEI was instructed to release PA344 for sale as orders are received. TEI currently has 68 slabs of PA343 remaining for sale and 322 slabs of PA344 for sale.

TEI also has 148 slabs of NI337 available for sale with 300 slabs of NI338 to arrive at the end of June 2011 for qualification testing.

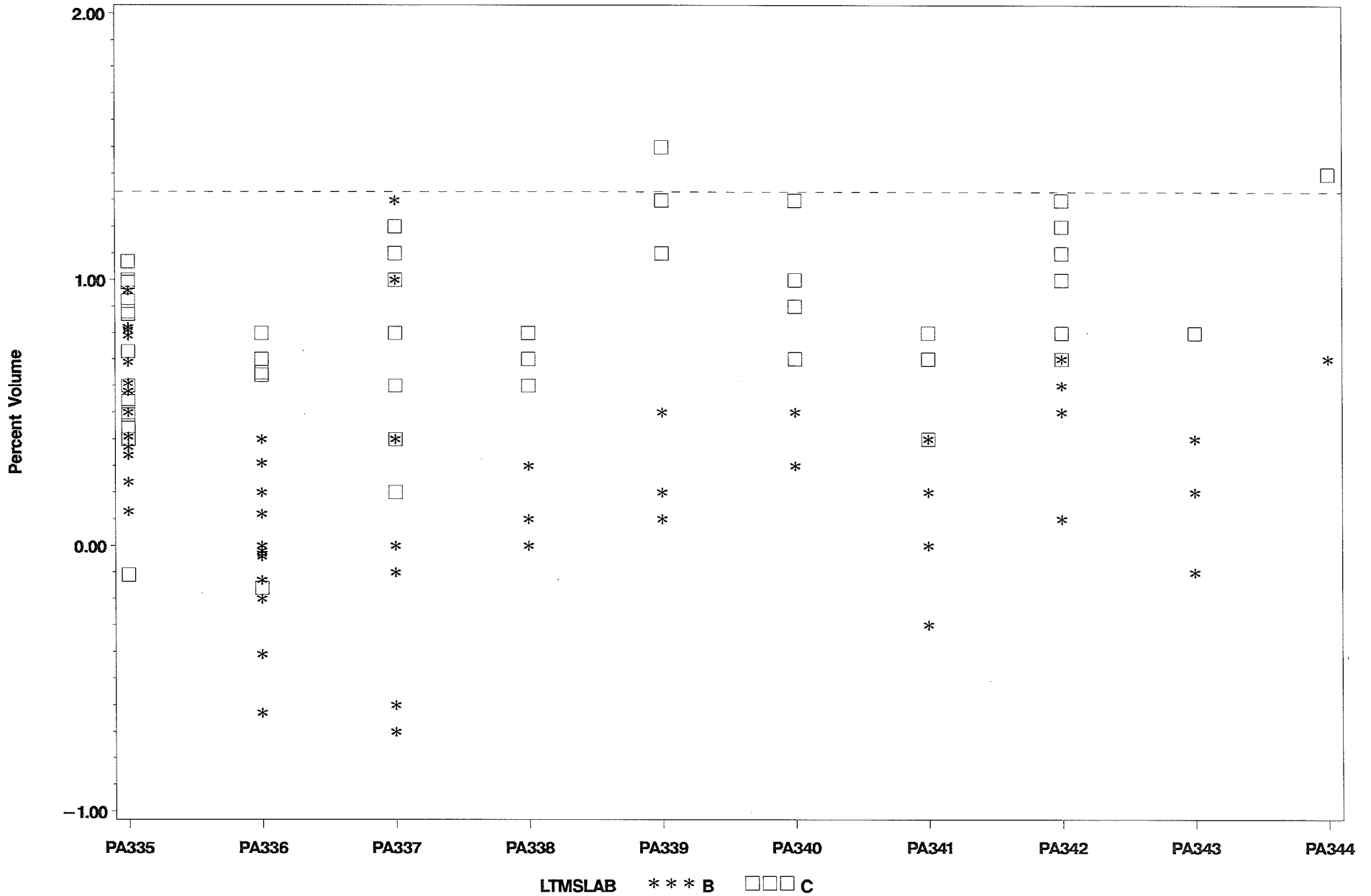
Meeting adjourned at 10:22 am on 6/9/2011.

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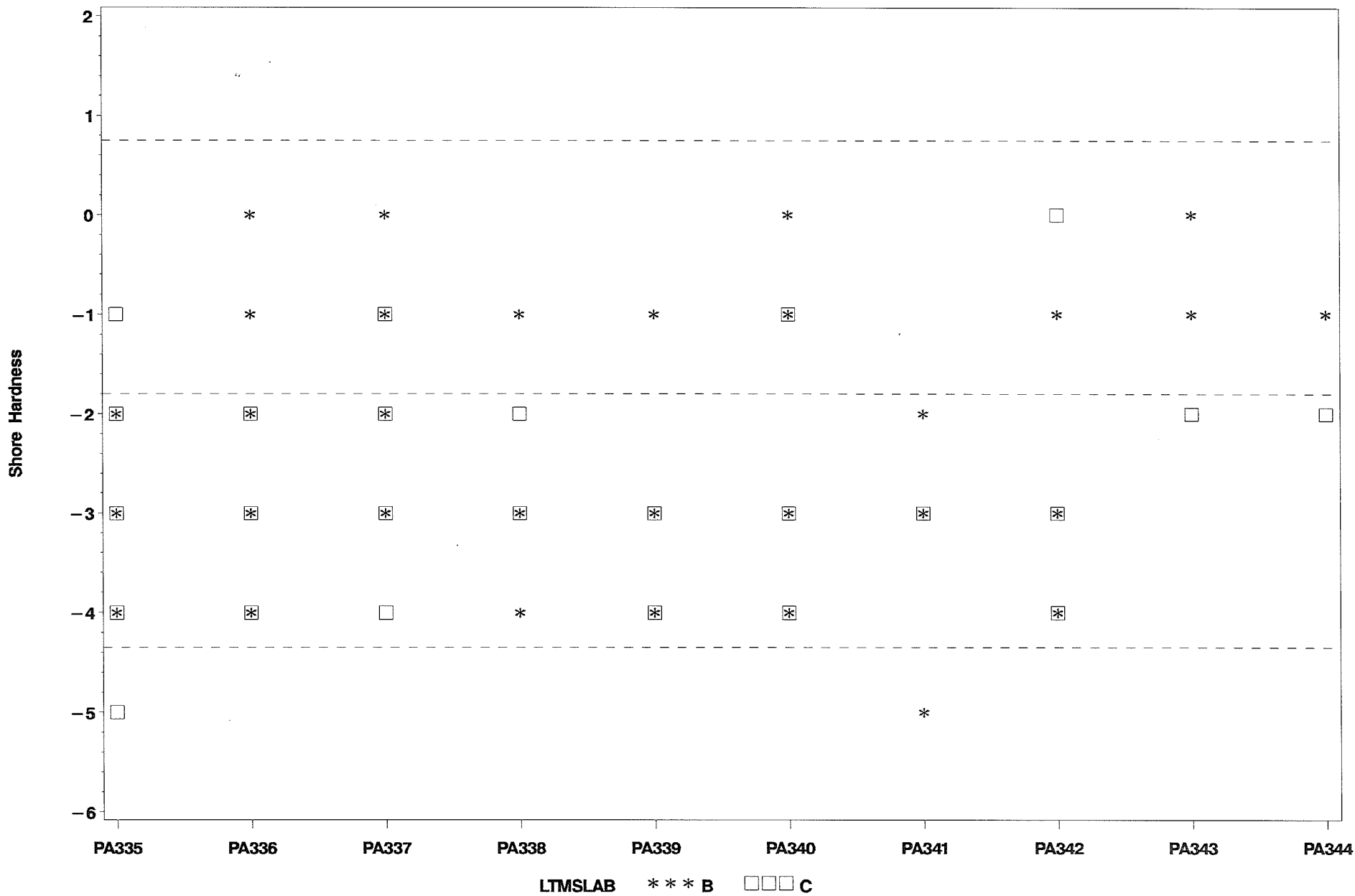
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = 23.04)**  
**Percent Elongation Results VS Shewhart Severity Limits**



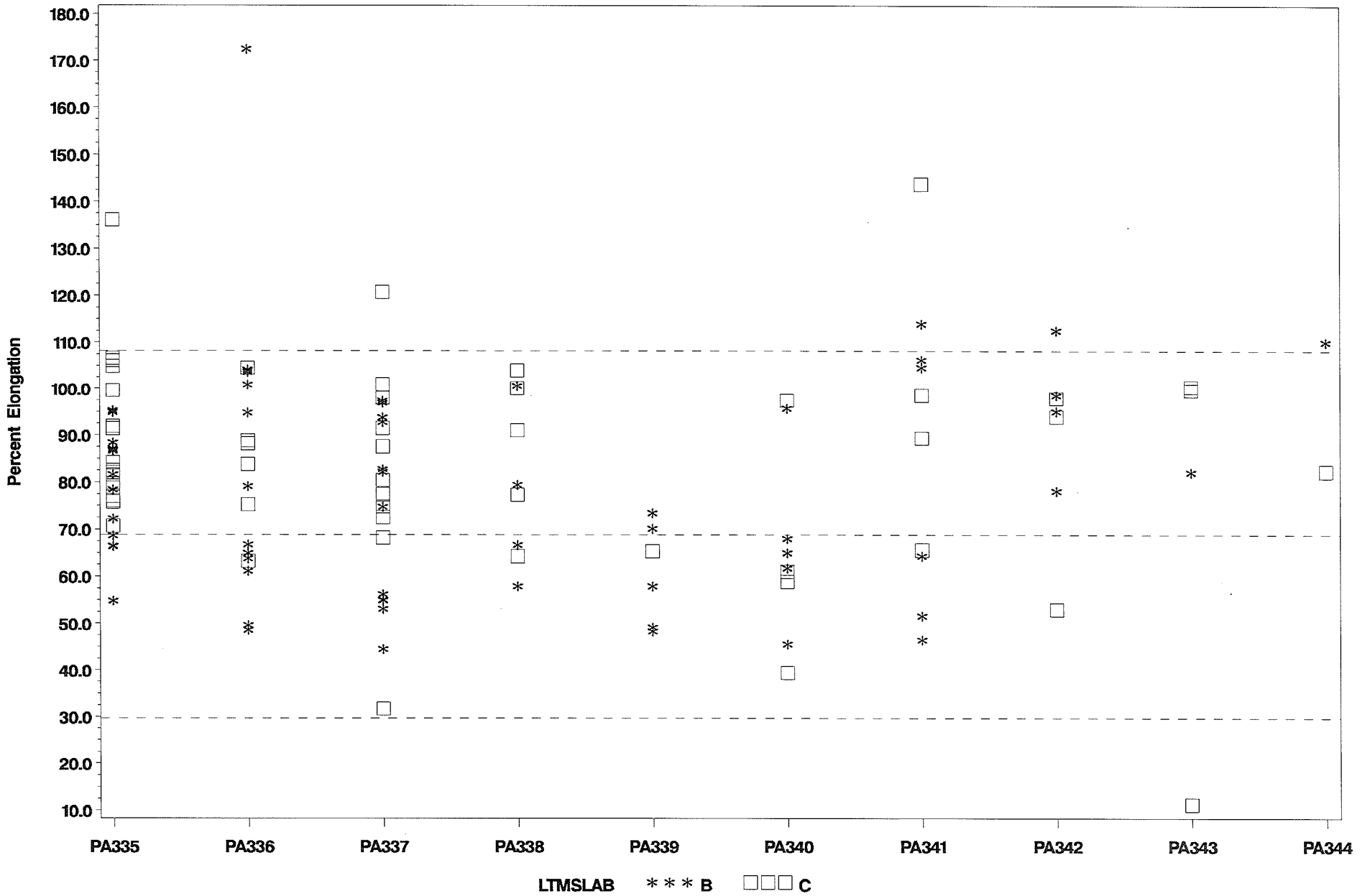
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = 0.343)**  
**Percent Volume Results VS Shewhart Severity Limits**



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

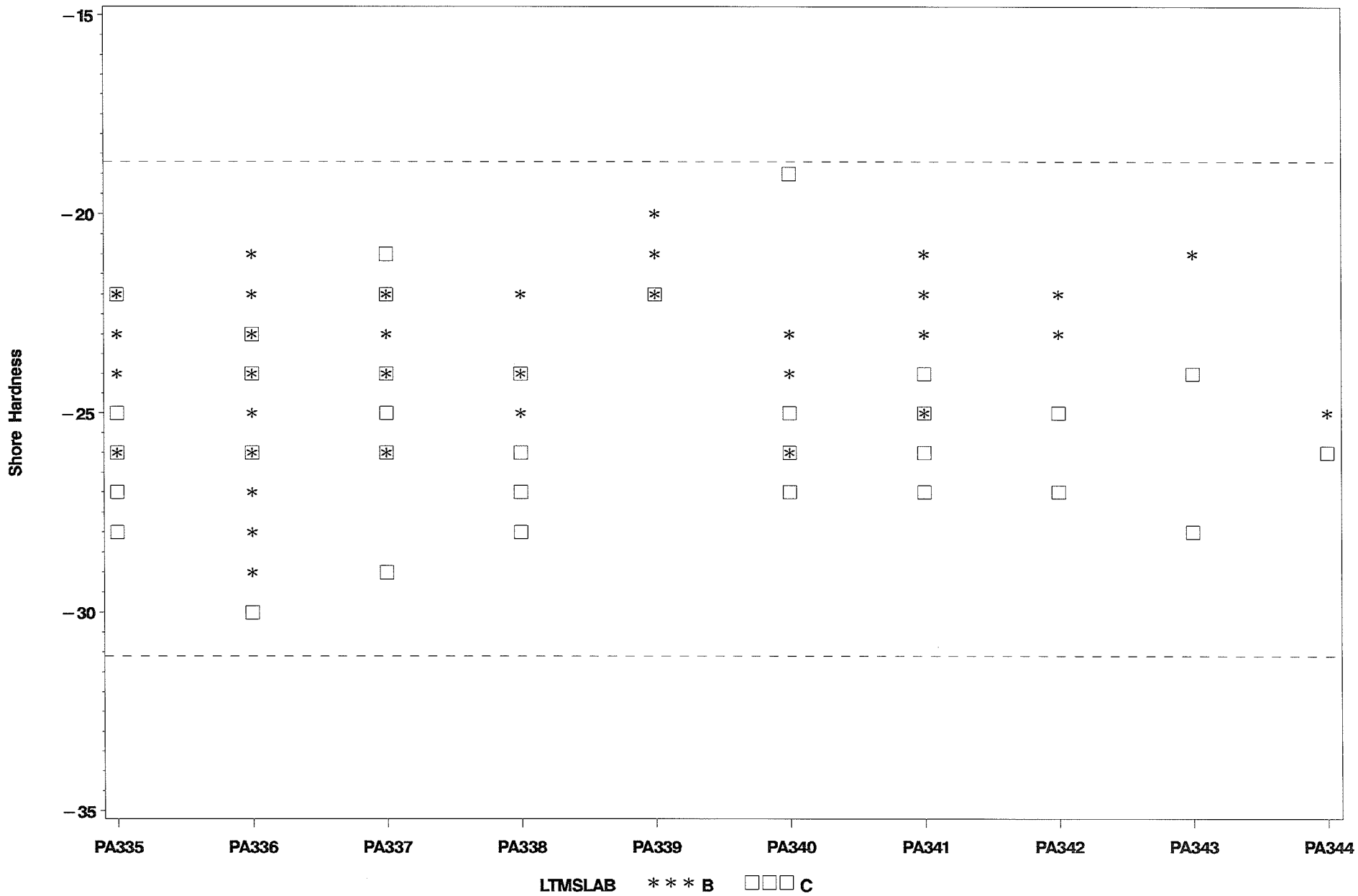


**OSCT (PA)**  
**Reference Oil 161-1 (Mean = 68.88)**  
**Percent Elongation Results VS Shewhart Severity Limits**

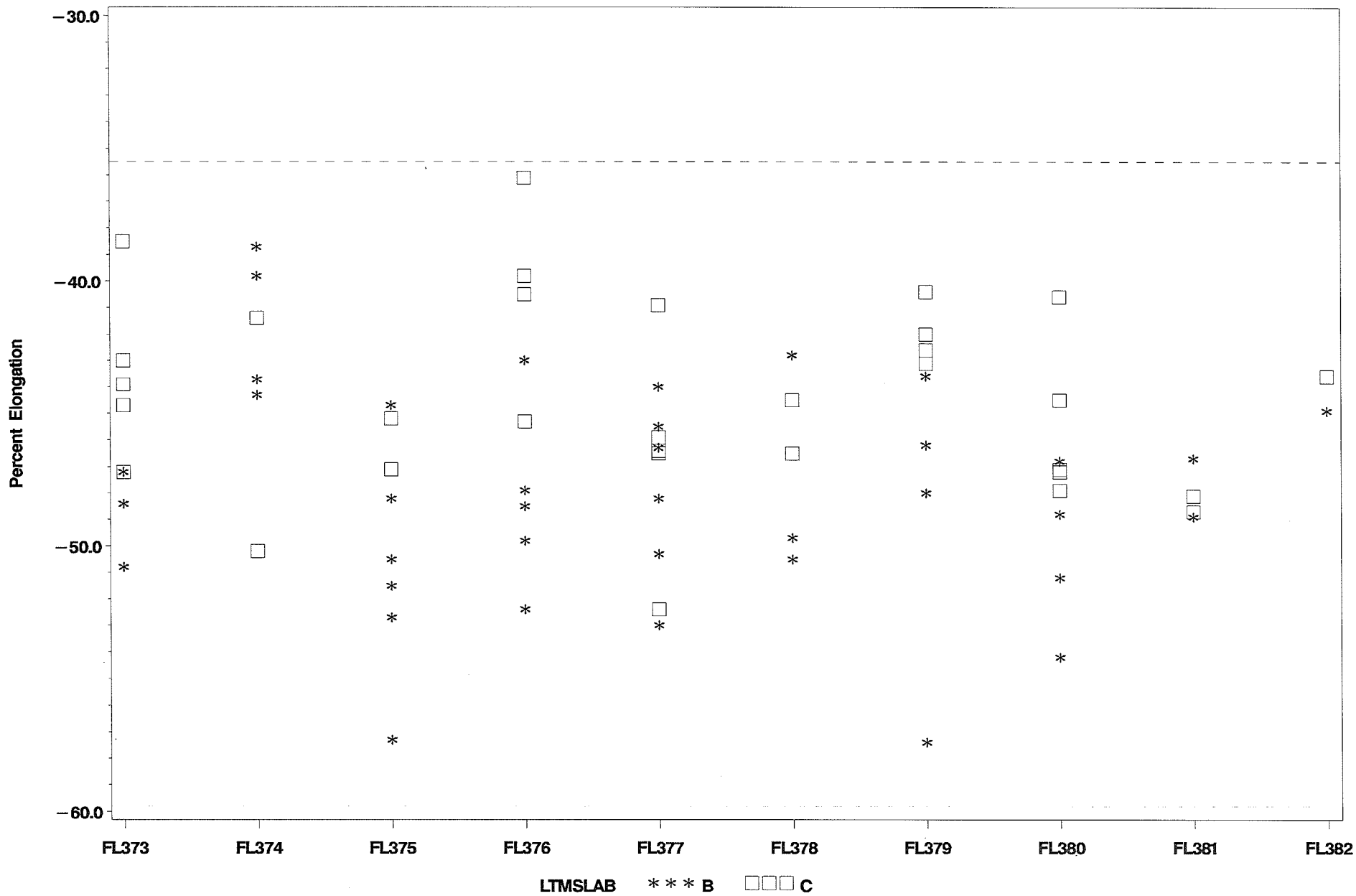




**OSCT (PA)**  
**Reference Oil 161-1 (Mean = -24.9)**  
**Shore Hardness Results VS Shewhart Severity Limits**

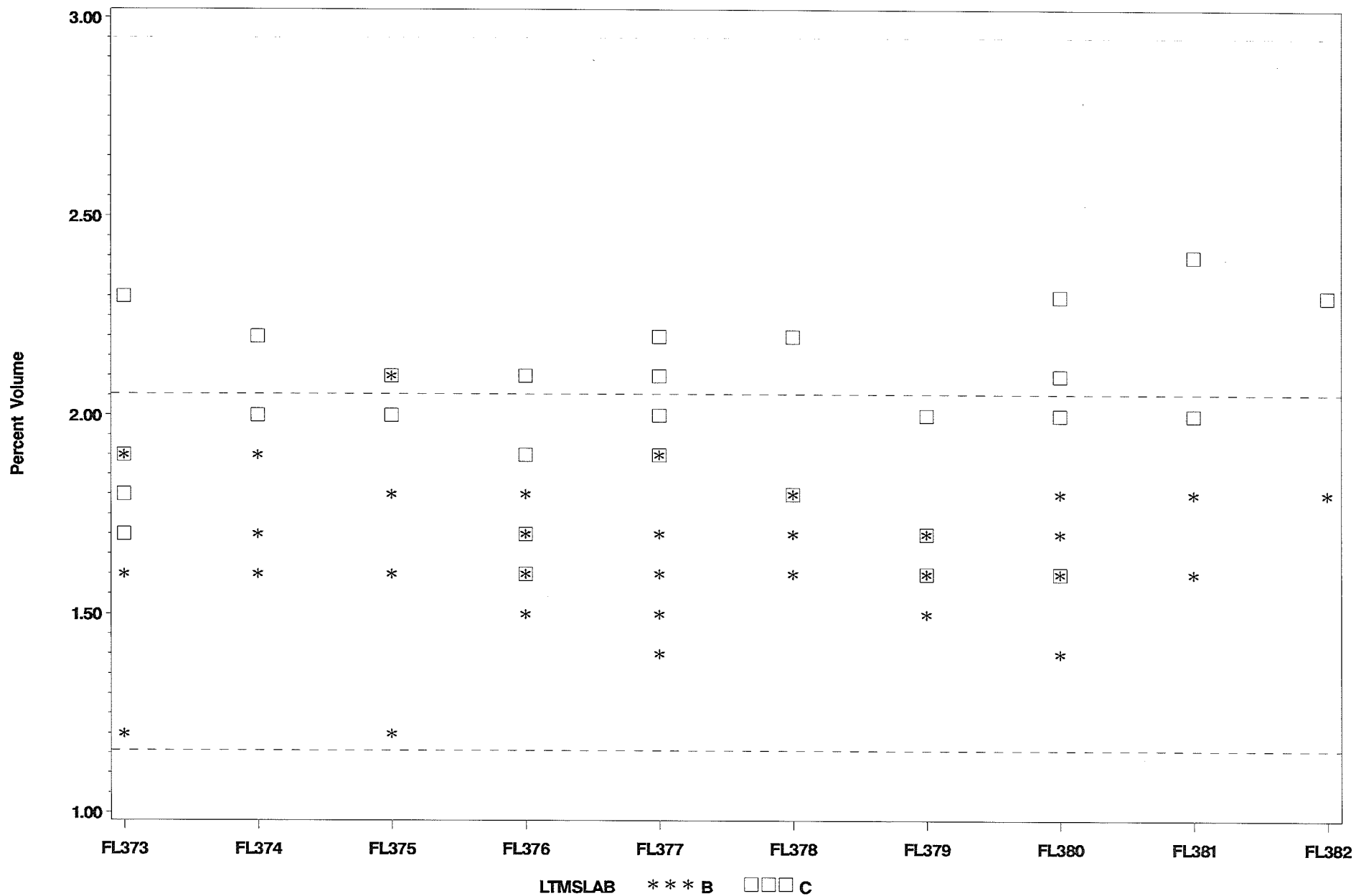


**OSCT (FL)**  
**Reference Oil 160-1 (Mean = -47.65)**  
**Percent Elongation Results VS Shewhart Severity Limits**

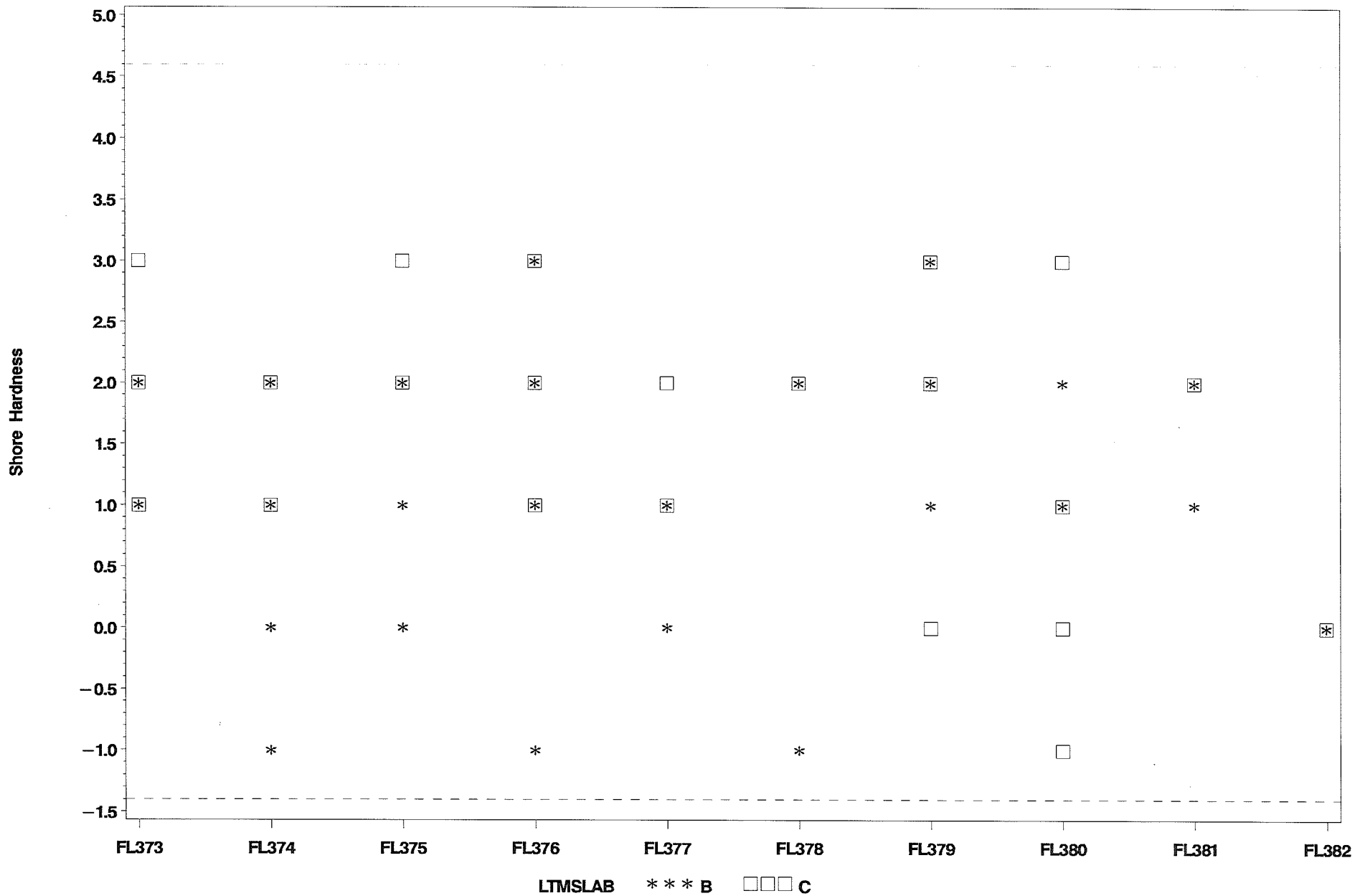




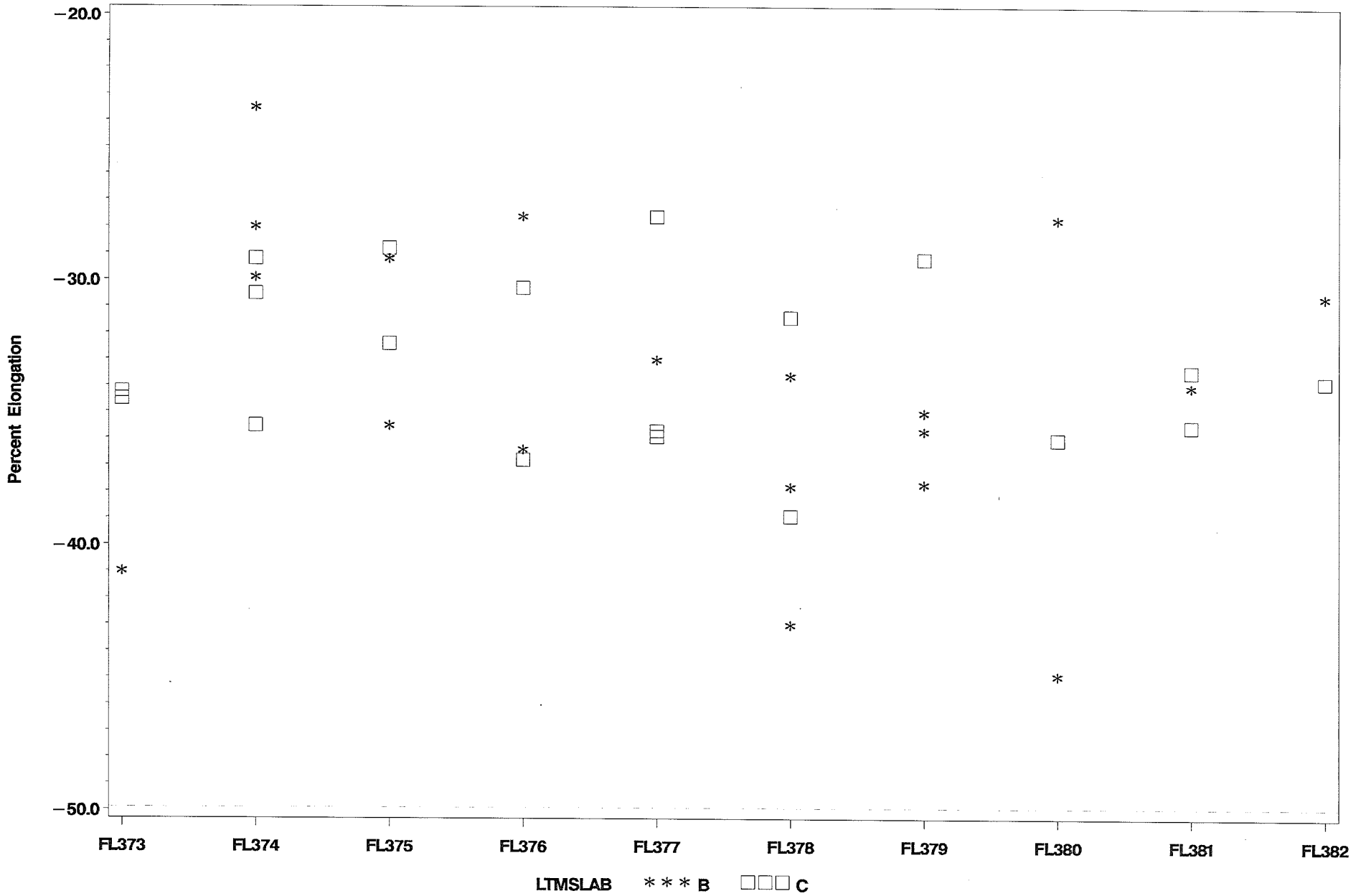
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 2.053)**  
**Percent Volume Results VS Shewhart Severity Limits**



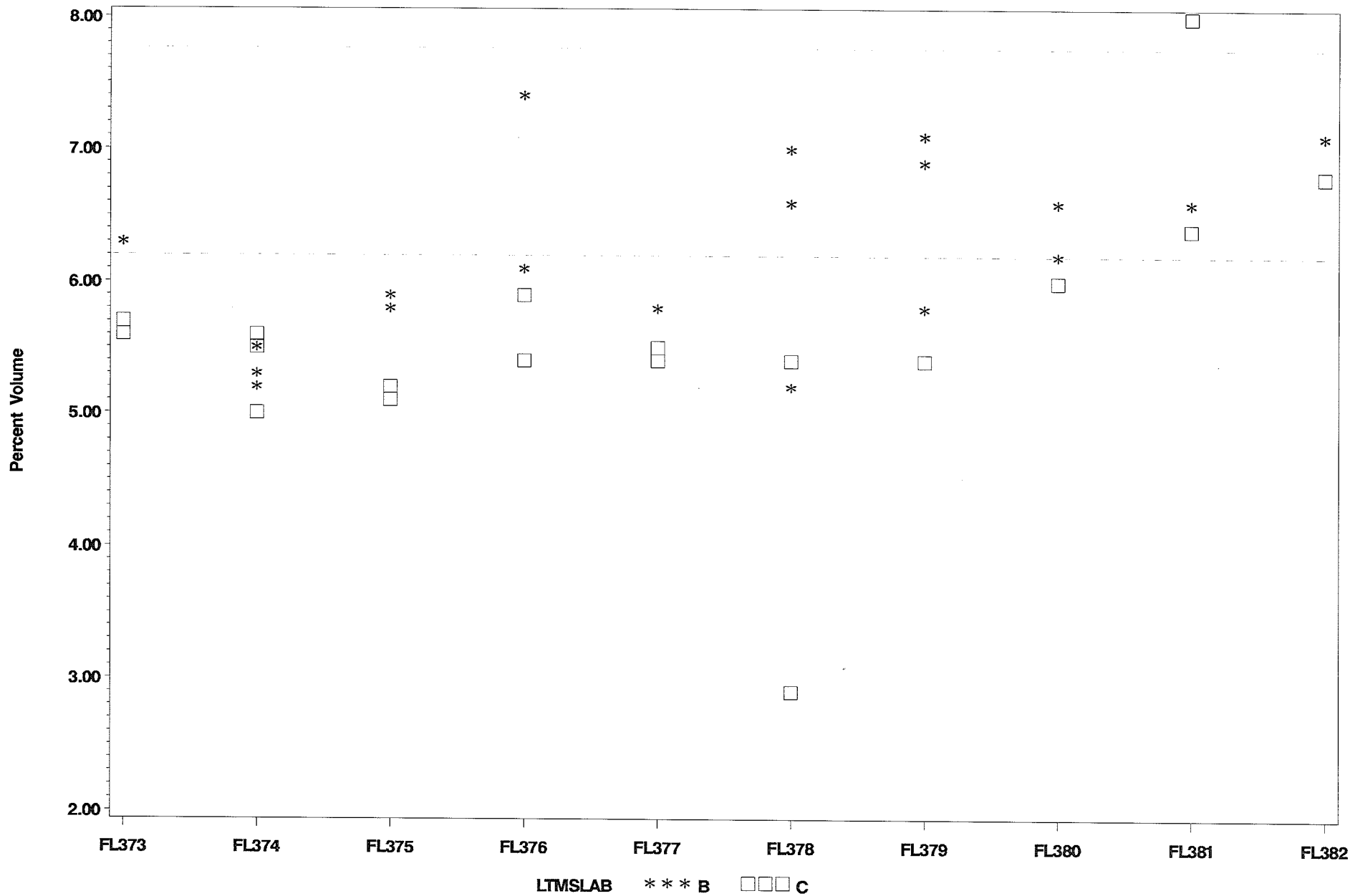
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 1.6)**  
**Shore Hardness Results VS Shewhart Severity Limits**



**OSCT (FL)**  
**Reference Oil 161-1 (Mean = -34.57)**  
**Percent Elongation Results VS Shewhart Severity Limits**



**OSCT (FL)**  
**Reference Oil 161-1 (Mean = 6.199)**  
**Percent Volume Results VS Shewhart Severity Limits**



OSCT (FL)  
Reference Oil 161-1 (Mean = 1.6)  
Shore Hardness Results VS Shewhart Severity Limits

