

# Oil Seal Compatibility and Testing Surveillance Panel Meeting Minutes

## Teleconference

**3/28/2011**

### Participants:

J. Gropp (Lz)

D. Bell (Afton)

C. Knight (TEI)

S. Parke (TMC)

B. Grinfield (SWRI)

J. Keiter (Lz)

At the February 9, 2011 OSCT Surveillance Panel meeting, a motion was approved that required Lab C to re-run the qualification data on PA343 since the %elongation in reference oil 161-1 was slightly low outside of acceptance bands. In addition, Lab C was also required to re-run qualification data on FL381 due to the %volume being slightly high outside of acceptance bands in reference oil 161-1. Lab C has re-tested the qualification data, and the TMC compiled it against the initial Lab C data for both elastomers, as well as against the initial Lab B results. The data is compiled in the Appendix. The Surveillance Panel reviewed the data for PA343 and FL381 from both labs.

A motion made by D. Bell and 2<sup>nd</sup> by B. Grinfield was unanimously approved (4 approvals) that fully approves PA343 and FL381 for use in ASTM D5662 testing, effective immediately. TEI has been instructed to release PA343 (268 slabs) and FL381 (168 slabs) for sale to tests labs as orders are received.

A new lot of polyacrylate (PA344, 300 slabs) has been ordered by TEI and should arrive mid-April 2011 for qualification testing. A new lot of fluoroelastomer (FL382, 200 slabs) has been sent to Lz and SWRI for qualification testing. A new lot of nitrile (NI337, 300 slabs) has already been tested at Lz and will be qualification tested shortly at SWRI. When TMC receives NI337 data from both labs another Surveillance Panel meeting will be held to review the data.

A motion to adjourn was made by D. Bell and unanimously approved at 2:17 pm 3/28/2011.

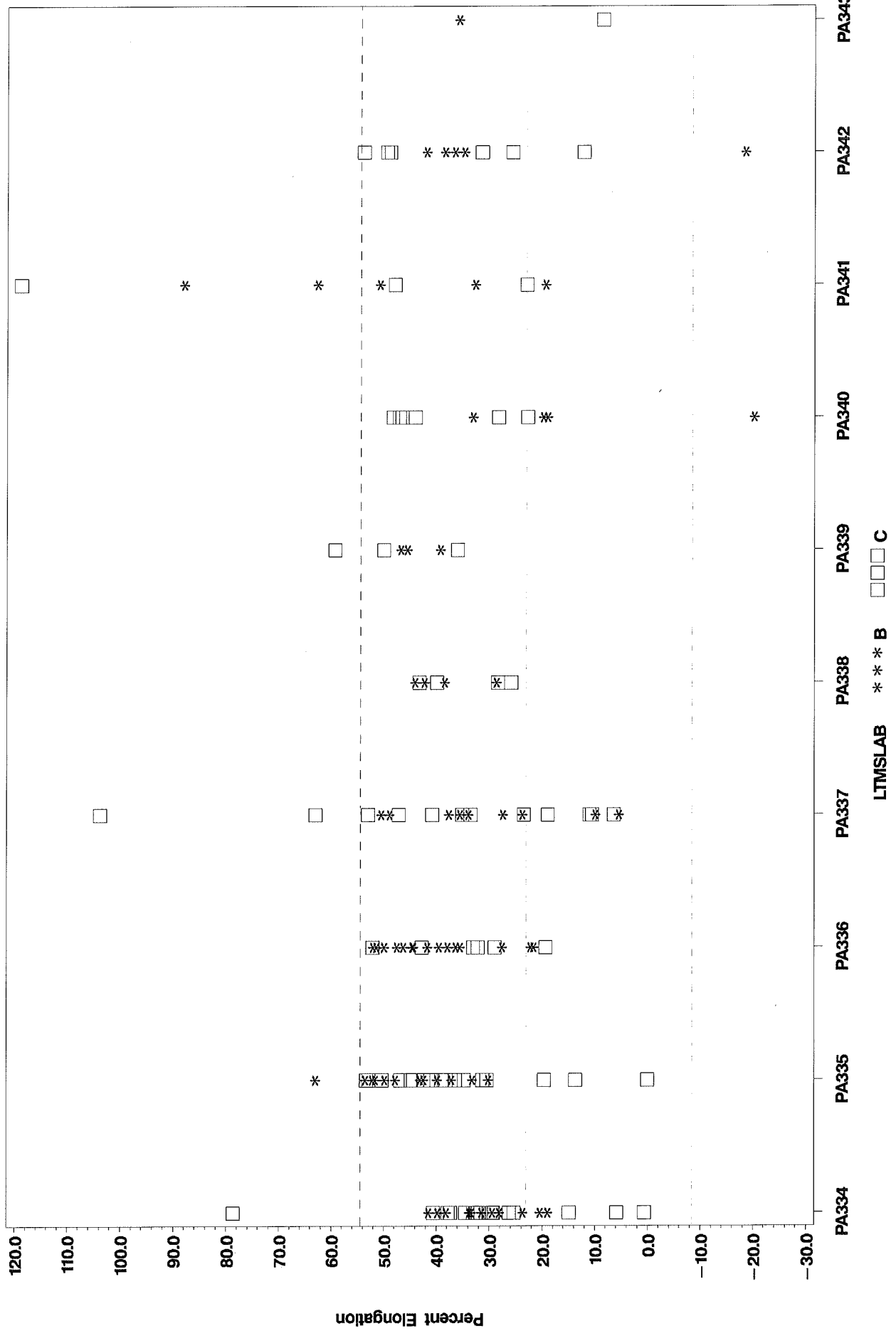
# Appendix

PA343 and FL381 Qualification Data from Lz and SWRI Compiled by TMC

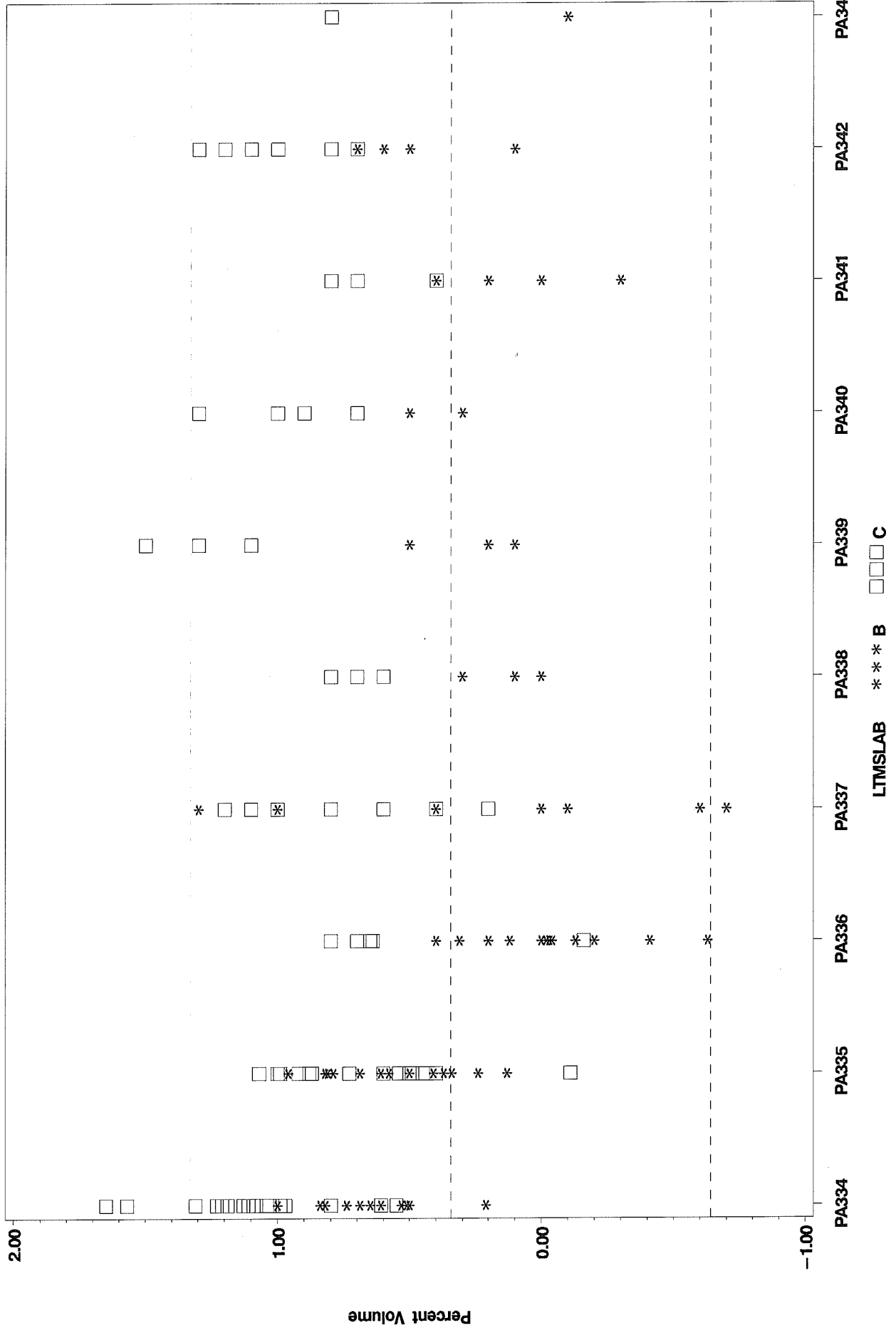
# OSCT (PA)

Reference Oil 160-1 (Mean = 23.04)

## Percent Elongation Results VS Shewhart Severity Limits



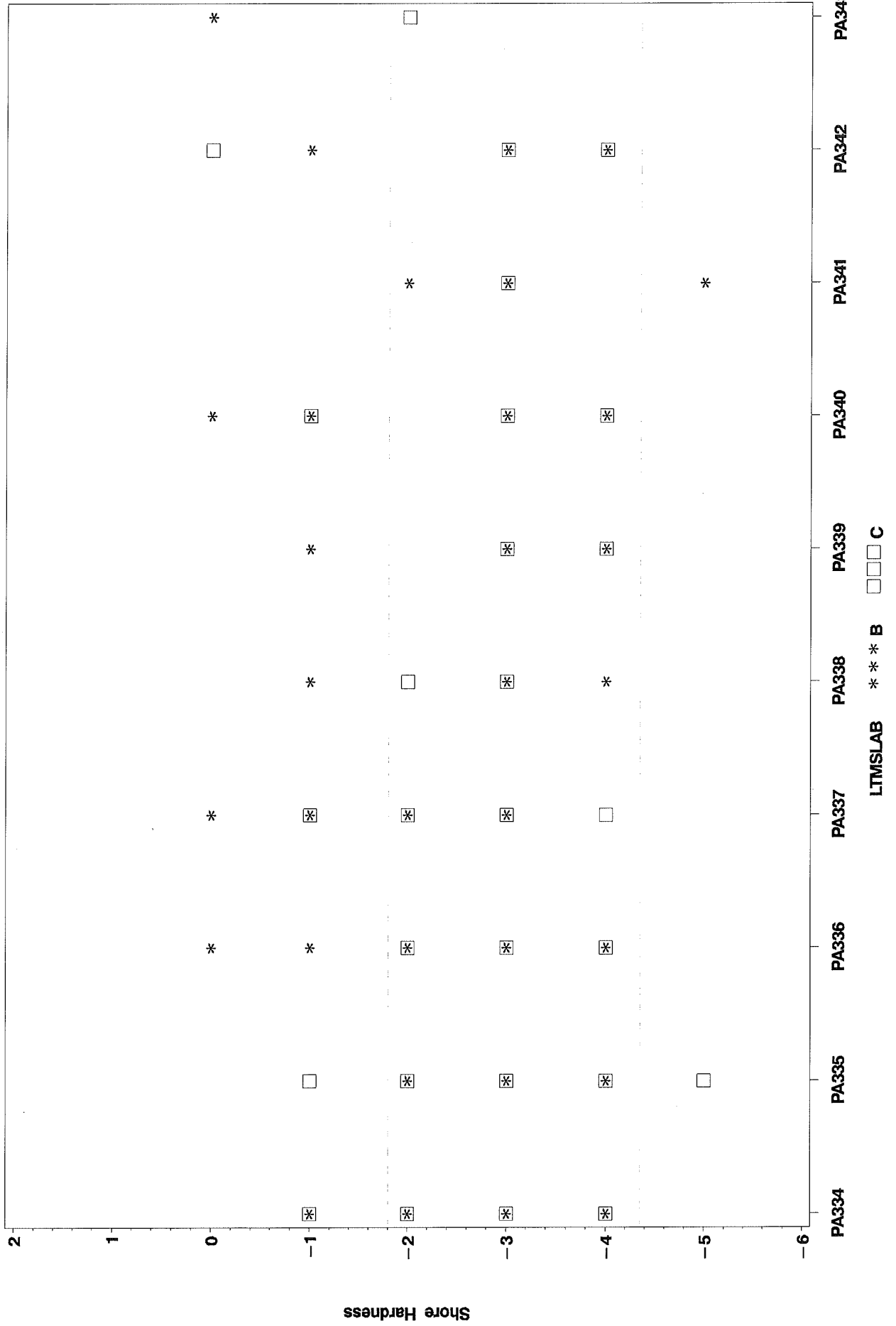
**OSCT (PA)**  
**Reference Oil 160-1 (Mean = 0.343)**  
**Percent Volume Results VS Shewhart Severity Limits**



# OSCT (PA)

Reference Oil 160-1 (Mean = -1.8)

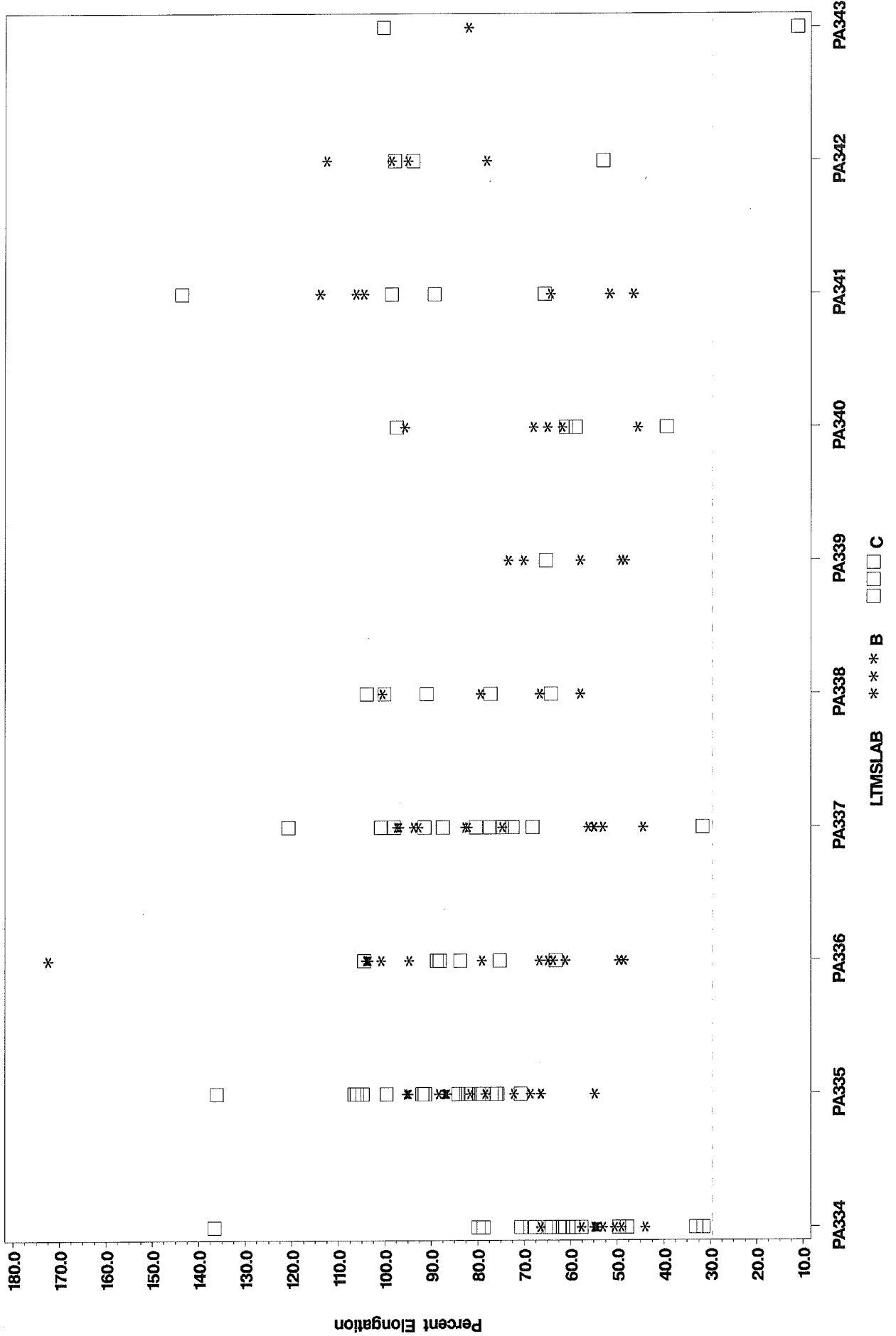
## Shore Hardness Results VS Shewhart Severity Limits



# OSCT (PA)

Reference Oil 161-1 (Mean = 68.88)

## Percent Elongation Results VS Shewhart Severity Limits

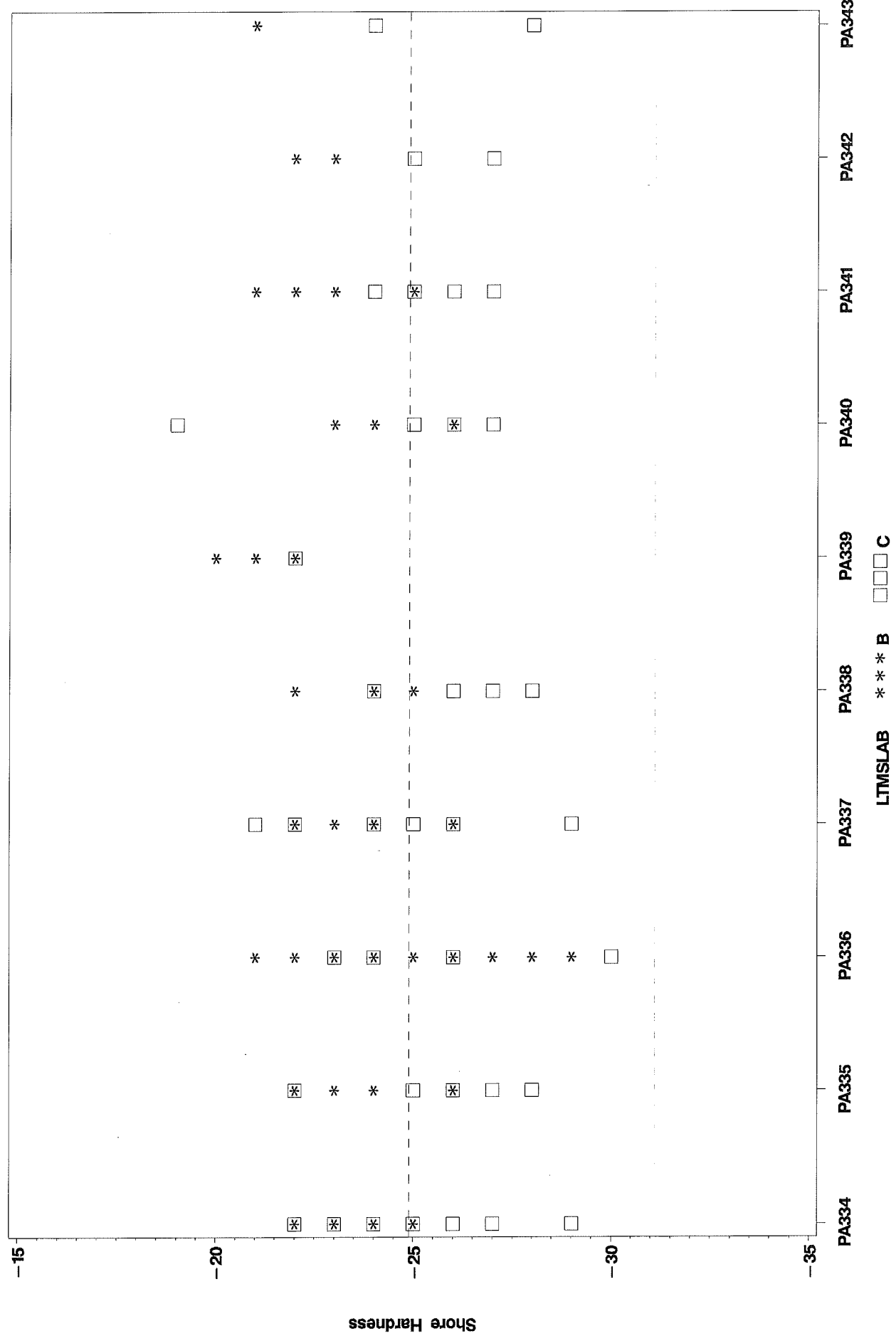




OSCT (PA)

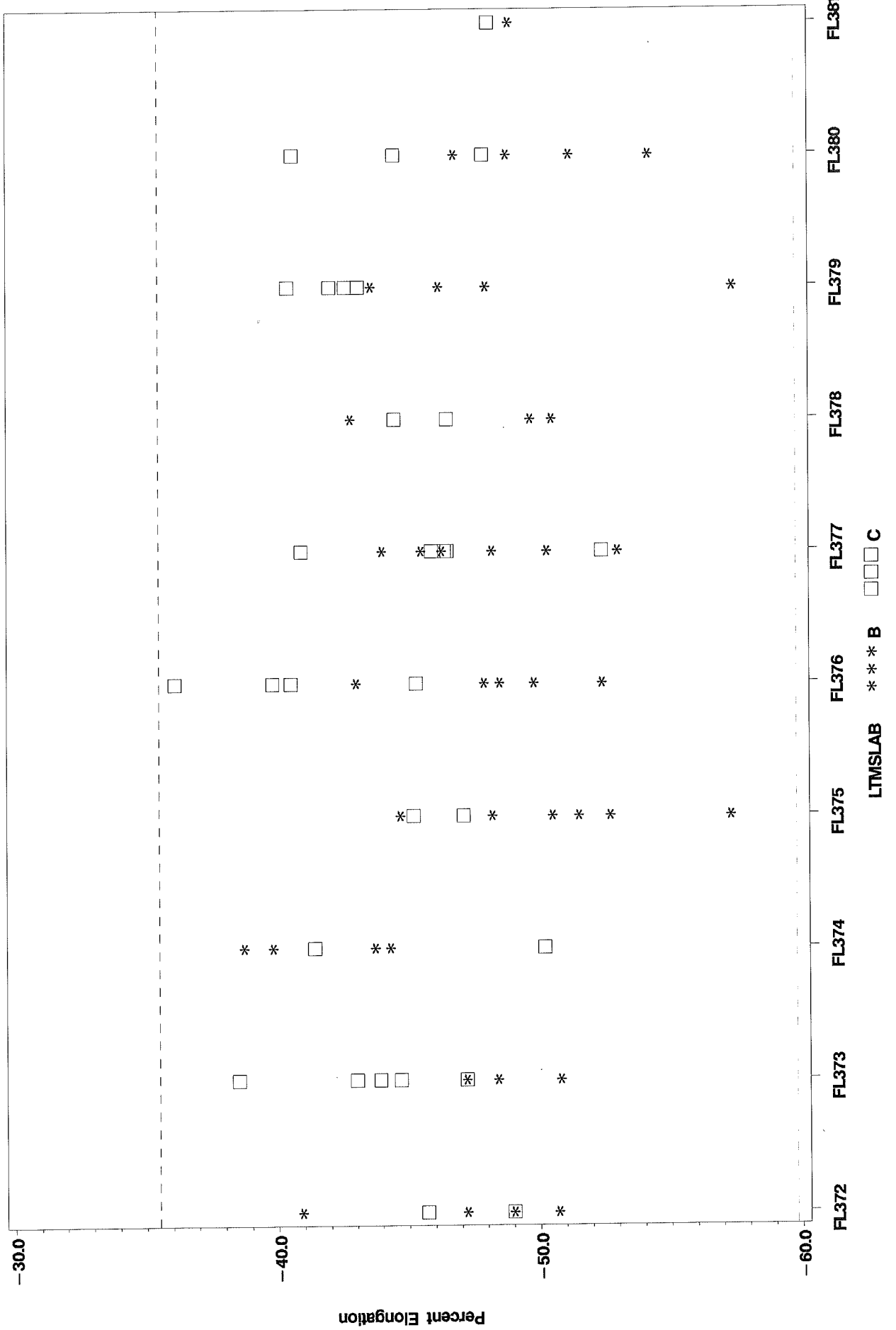
Reference Oil 161-1 (Mean = -24.9)

Shore Hardness Results VS Shewhart Severity Limits

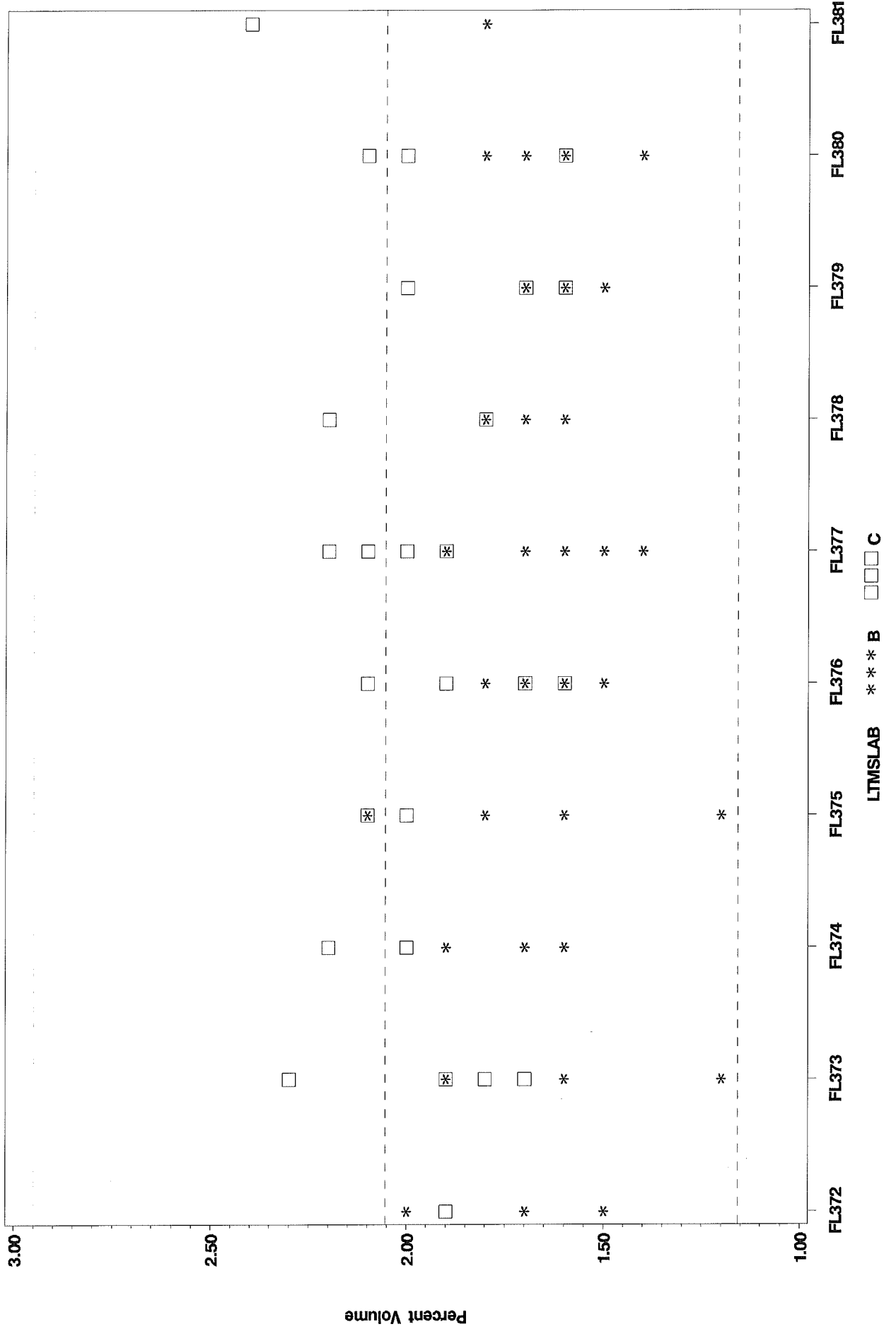




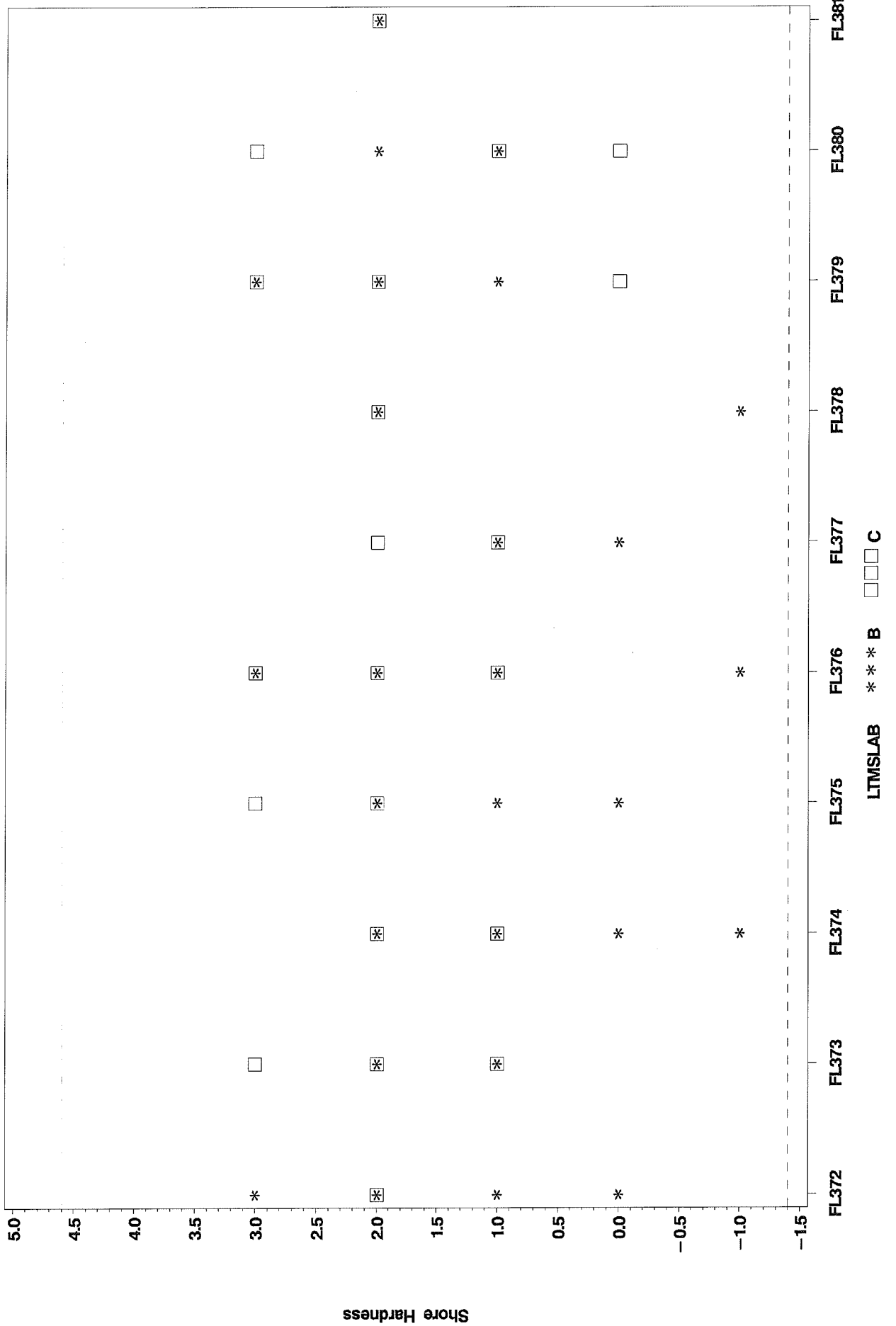
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = -47.65)**  
**Percent Elongation Results VS Shewhart Severity Limits**



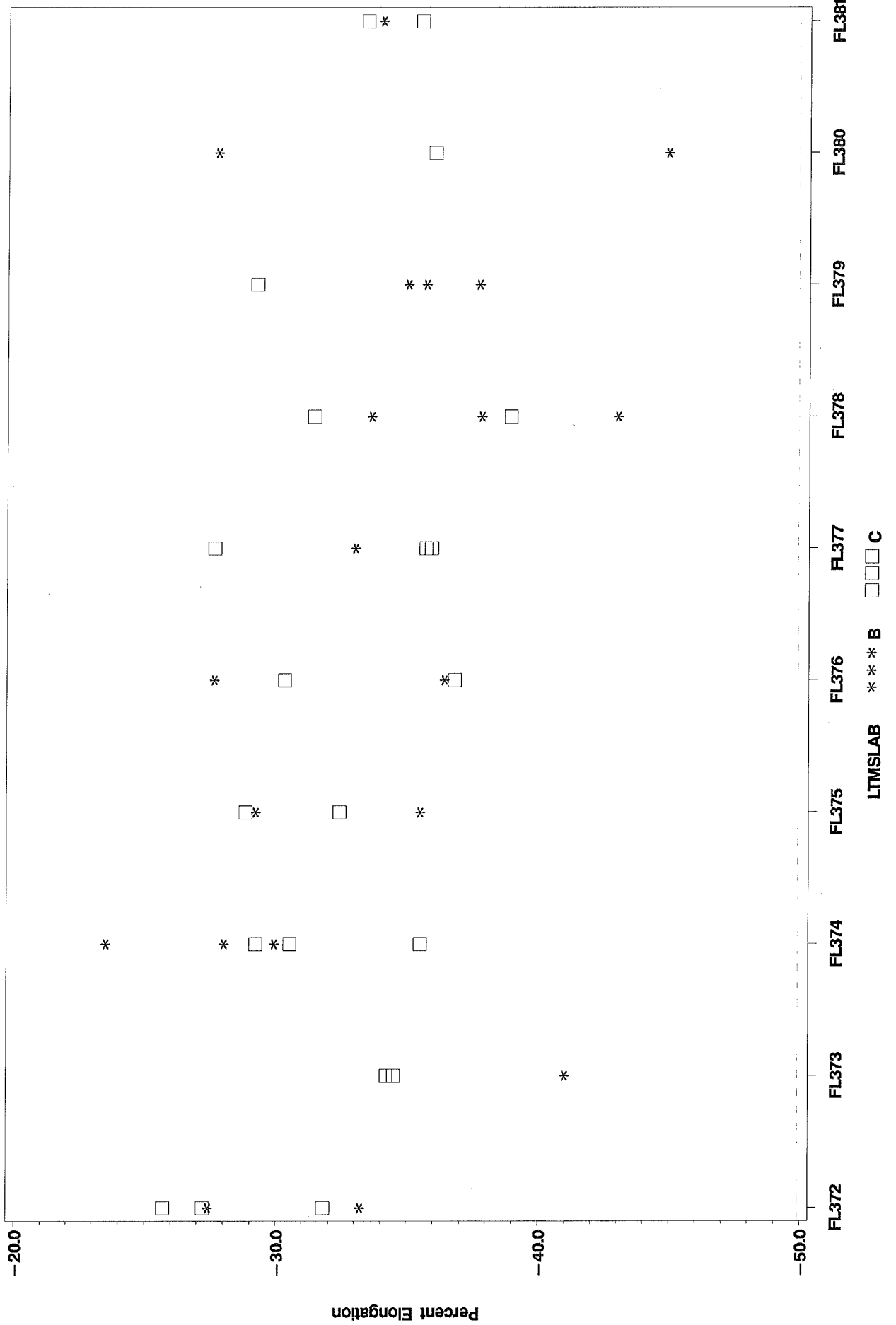
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 2.053)**  
**Percent Volume Results VS Shewhart Severity Limits**



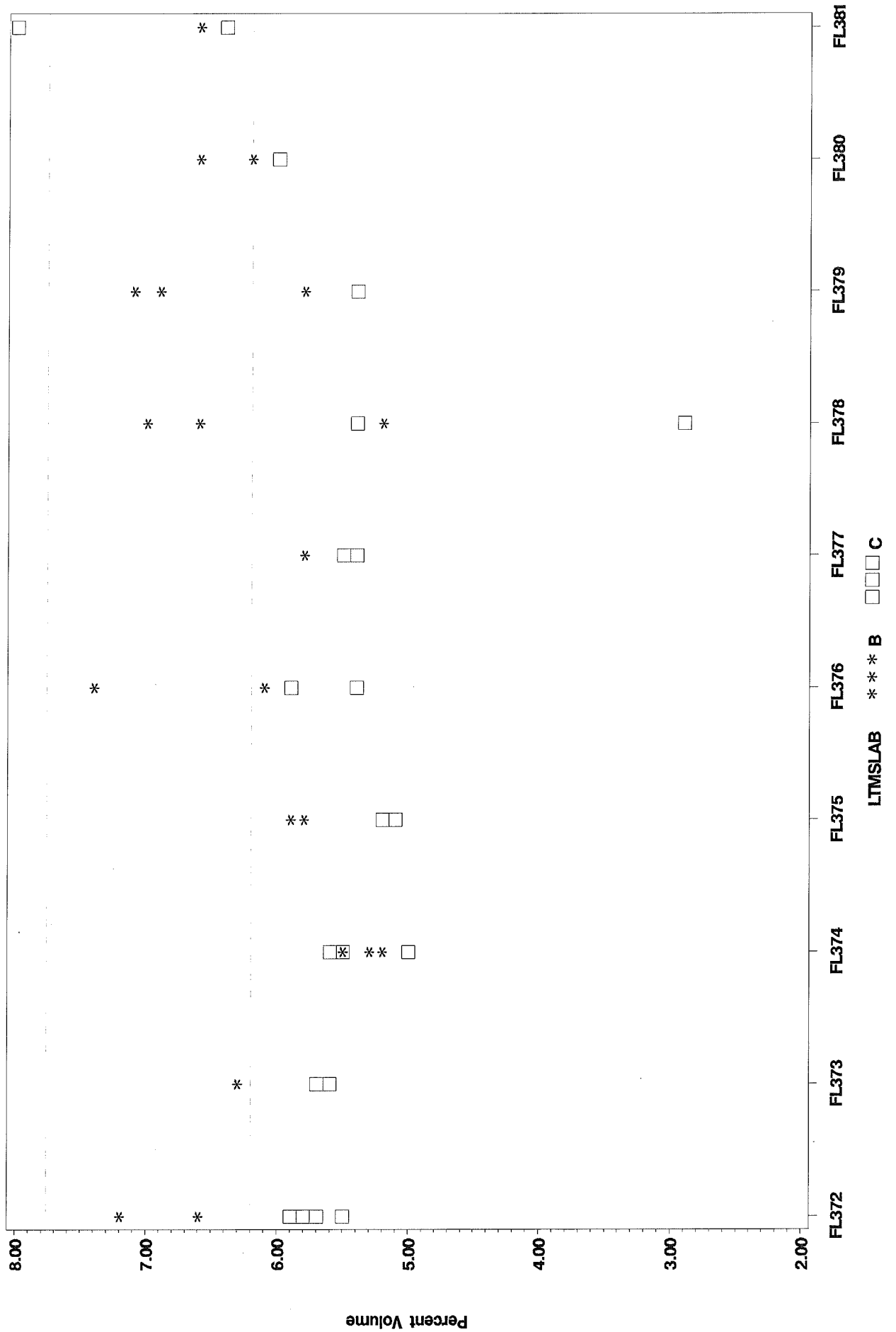
**OSCT (FL)**  
**Reference Oil 160-1 (Mean = 1.6)**  
**Shore Hardness Results VS Shewhart Severity Limits**



**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

