

## OSCT Surveillance Panel Meeting Minutes

From Teleconference Conducted on 7/18/06

Don Bell (OSCT Chairperson)

7/19/06

Attendees:

Don Lind (TMC)	Jerry Gropp (Lz)
Diane Korpi-Misich (Lz)	Jennifer K. (Lz)
Don Bell (Afton)	Clayton Knight (TEI)
Becky Grinfield (SWRI)	Zack Bishop (TEI)
Larry Casper (SWRI)	

The latest 600 slab delivery of Fluoroelastomer seals to TEI consisted of 200 slabs each of FL367, FL368, and FL369. FL368 was approved first, but TEI inadvertently shipped 150 of the 200 unreferenced/unapproved slabs of FL367 to Lz where they were used for candidate seal testing. FL369 is currently being shipped to the test labs to collect data for approval. TEI has since put controls in place to avoid future occurrences of shipping unapproved elastomer slabs to test labs and will ensure that lots are approved in sequence. An OSCT Surveillance Panel teleconference meeting was conducted on 7/18/06 to review the attached fluoroelastomer seal (FL367) data generated at lab B to decide if the data set was sufficient to approve FL367. A review of FL367 data relative to Shewart severity limits shows that shore hardness, % volume change, and % elongation (see attachment) for FL367 fall within the current fluoroelastomer acceptance bands using TMC reference oils 161-1 and 160-1.

Motion by J. Gropp and seconded by B. Grinfield: Effective 7/18/06, fluoroelastomer batch FL367 is approved based on the acceptable TMC data compiled and presented for FL367 on 7/18/06. Motion approved (3 approved/1 abstentions/0 opposed).

All candidates run on FL367 are considered acceptable, assuming they were within the acceptance bands. TMC will discuss the potential of revising ASTM D5662 to formally document that only referenced/approved elastomer batches can be used for candidate testing. TMC will also consider listing the approved elastomer batches on the TMC website.

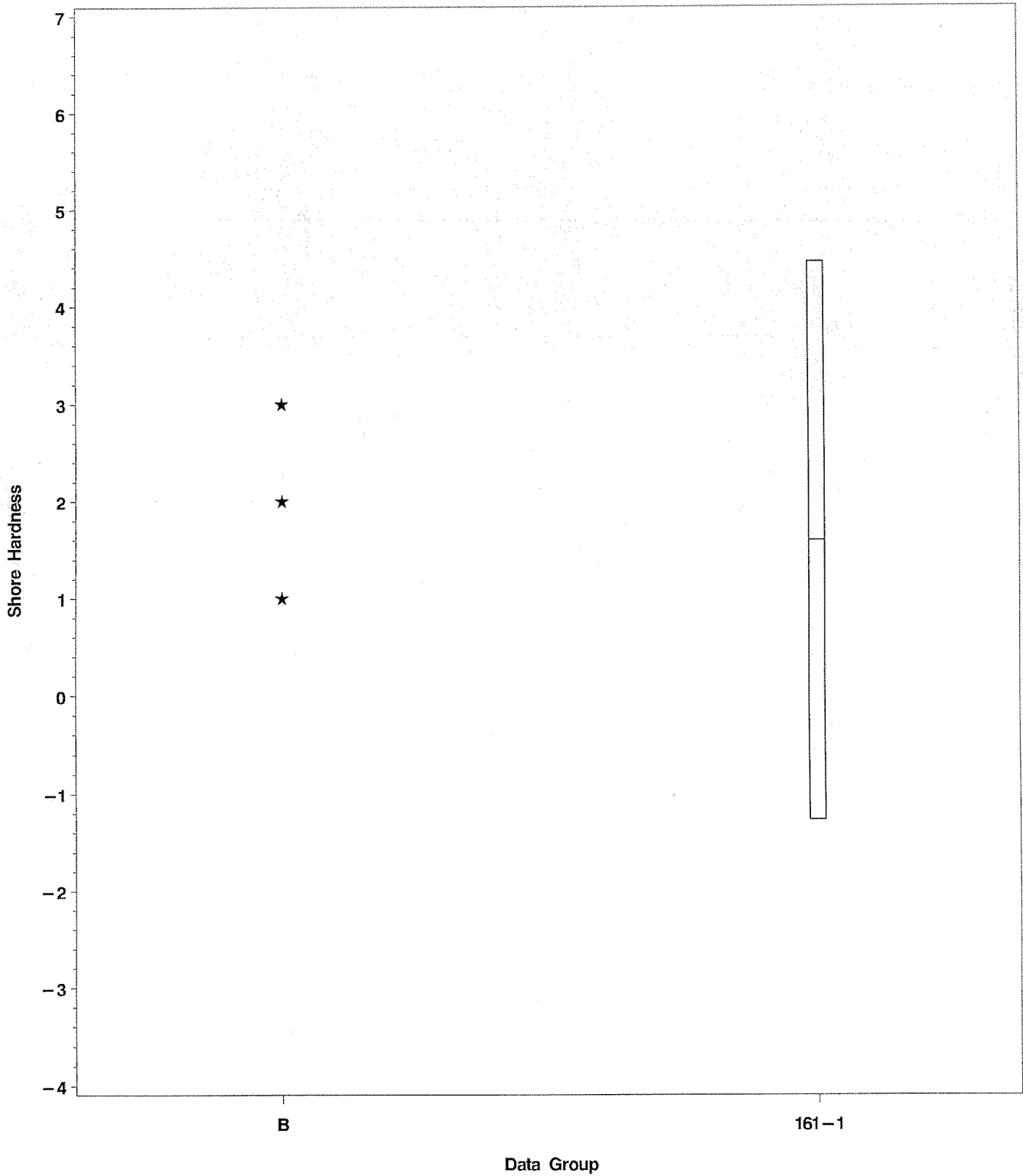
C. Knight is to email the test labs a current list of approved elastomer batches that are within the required 2 year shelf life, along with the number of slabs available from each lot, to allow the test labs to determine if they would like to purchase them for use. For reference, 10 slabs are sufficient for testing 1 reference oil with 1 candidate.

**TEI must notify the seals chairperson (D. Bell), TMC (D. Lind), and the test labs (Lz & SWRI, D. Korpi-Misich and B. Grinfield) when a new elastomer batch is received that needs to be approved.**

CMIR	LAB	Bath #	RDTCOMP	OIL	EBC_R	PELA	PELAYI	SAHA	SAHAYI	PVCA	PVCAYI
58113	B	A	20060612	160-1	FL367	-56.4	-1.5892	1	-0.4412	1.98	-0.1791
58115	B	A	20060615	160-1	FL367	-57.5	-1.789	1	-0.4412	1.81	-0.5963
58118	B	A	20060623	160-1	FL367	-52.2	-0.8264	2	0.2941	1.83	-0.5472
58105	B	A	20060612	161-1	FL367	-35.6	-0.1474	2	0.3077	5.74	-0.6483
58107	B	A	20060615	161-1	FL367	-38.3	-0.5337	1	-0.4615	6.52	0.4534
58110	B	A	20060623	161-1	FL367	-26.7	1.1261	1	-0.4615	5.9	-0.4223
58111	B	A	20060713	161-1	FL367	-27.5	1.0116	3	1.0769	5.69	-0.7189

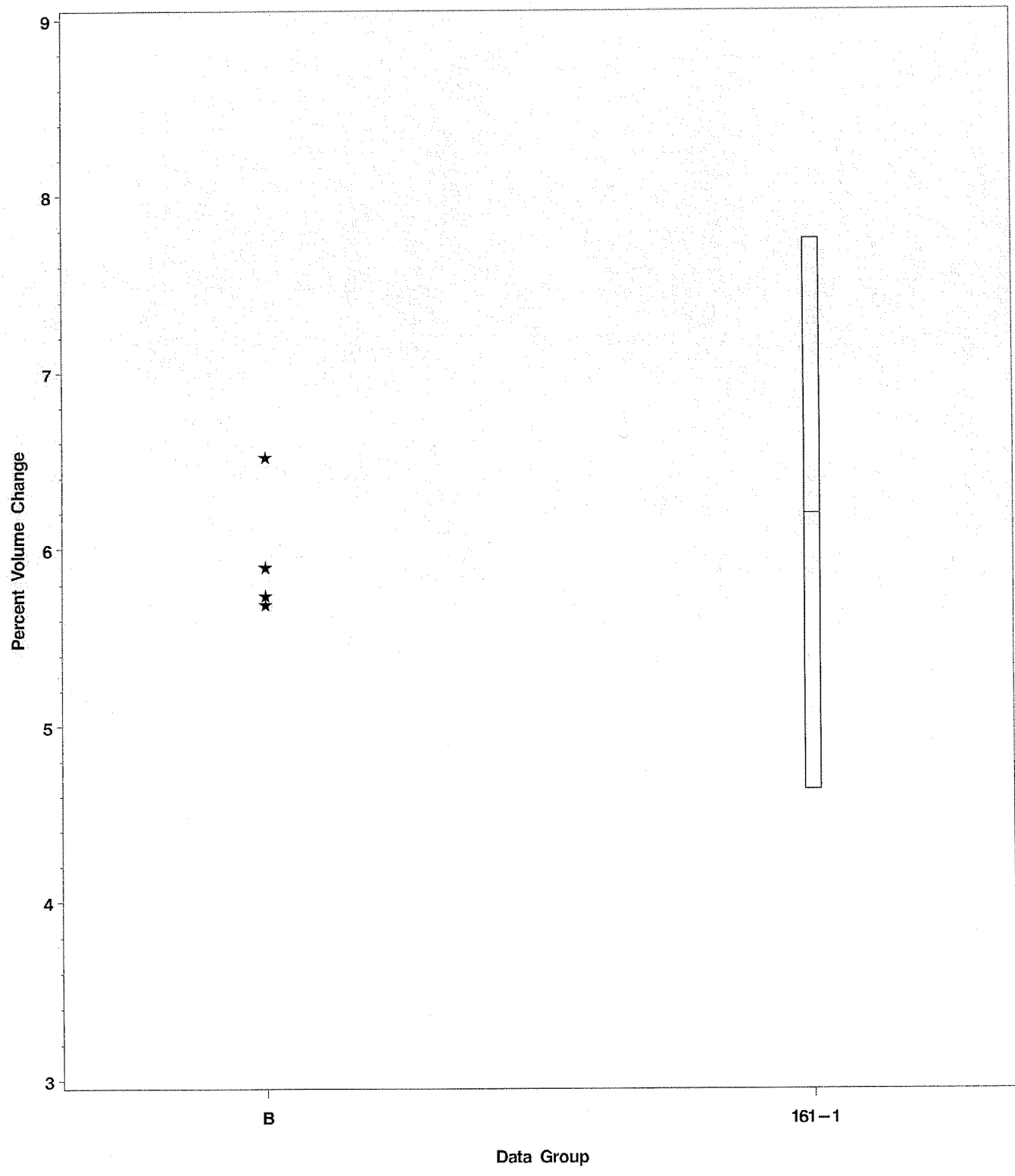
OSCT (FL367)  
Reference Oil 161-1  
New Elastomer Results VS Shewhart Severity Limits

Shore Hardness



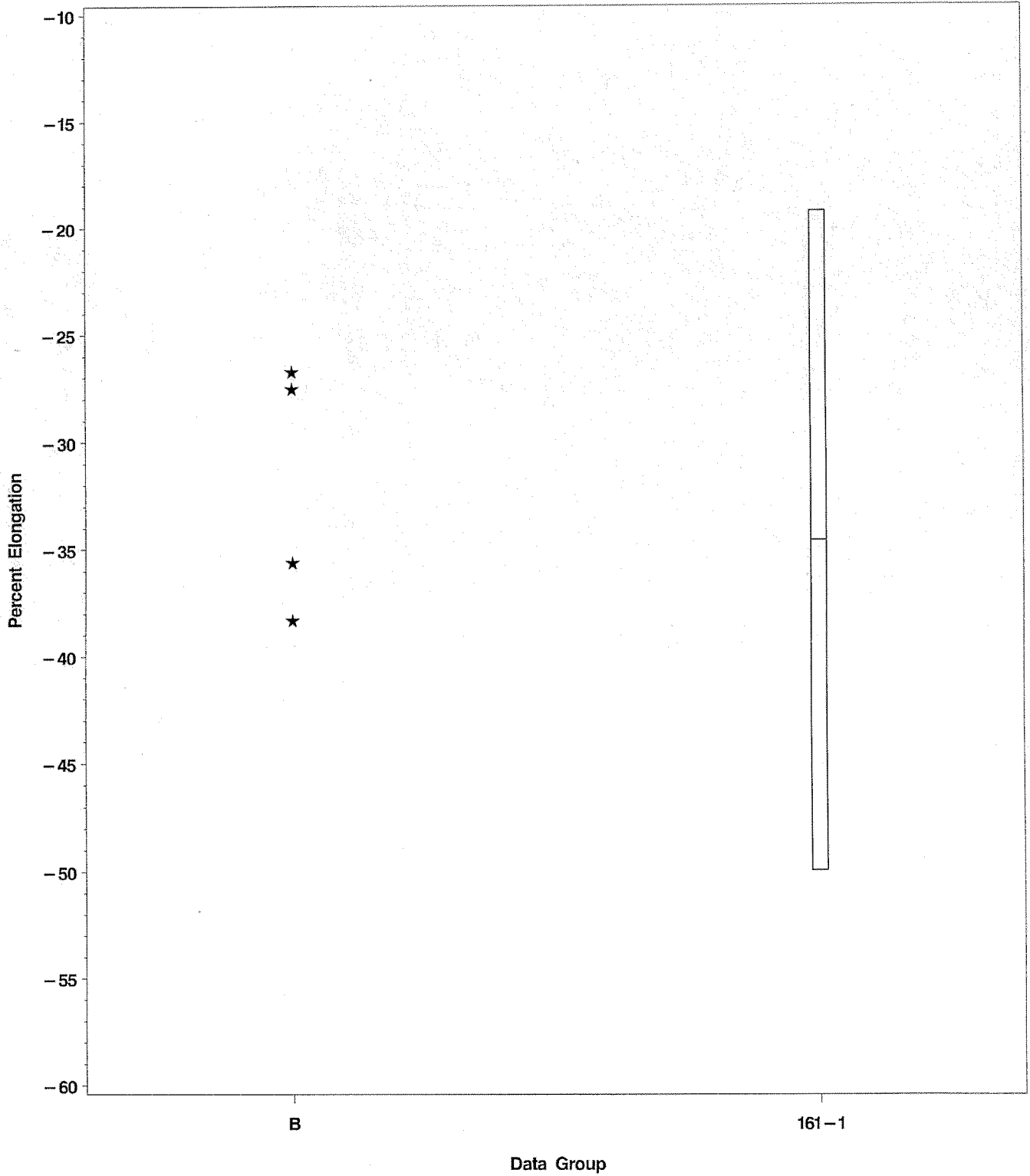
OSCT (FL367)  
Reference Oil 161-1  
New Elastomer Results VS Shewhart Severity Limits

Percent Volume Change



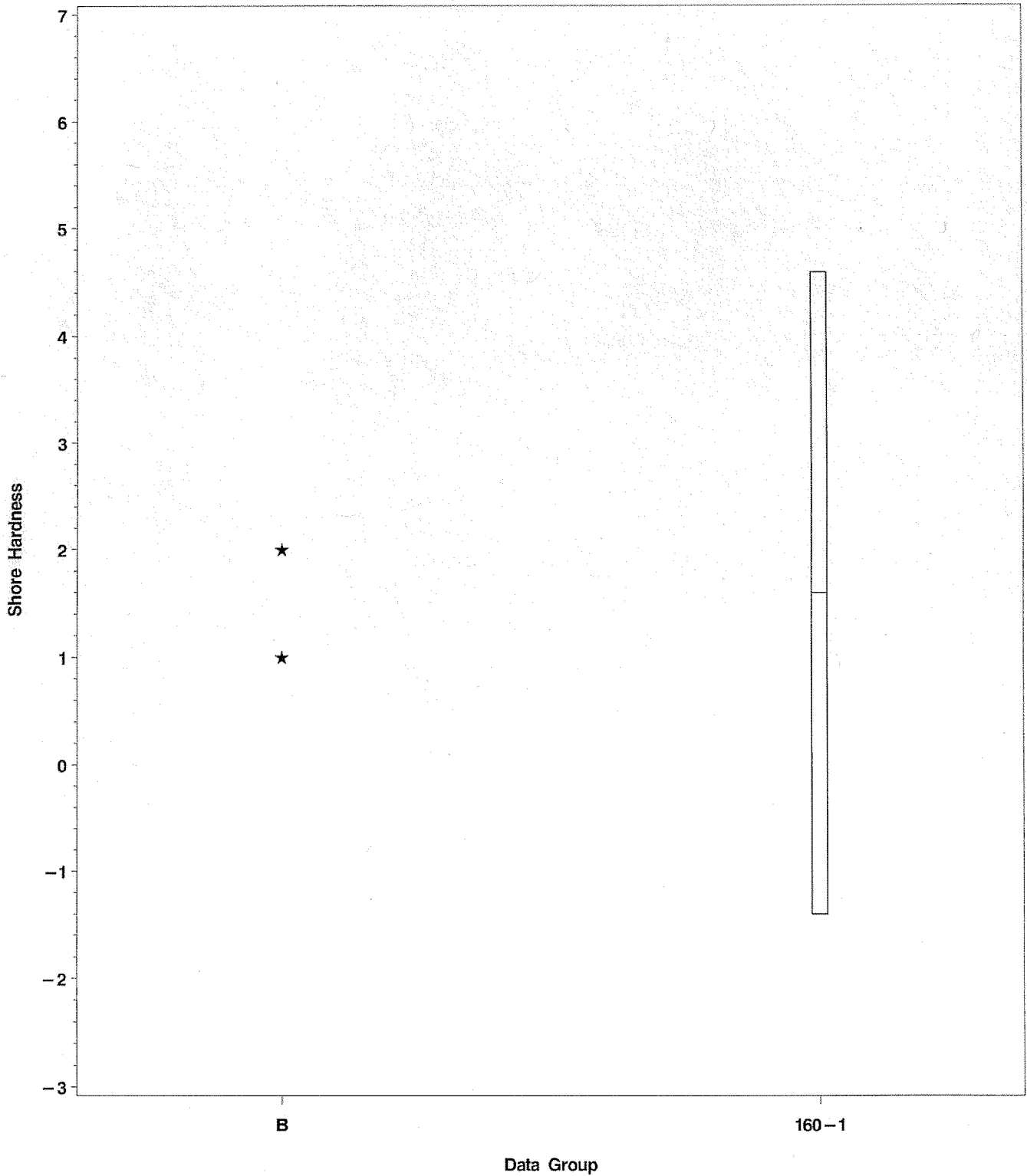
OSCT (FL367)  
Reference Oil 161-1  
New Elastomer Results VS Shewhart Severity Limits

Percent Elongation



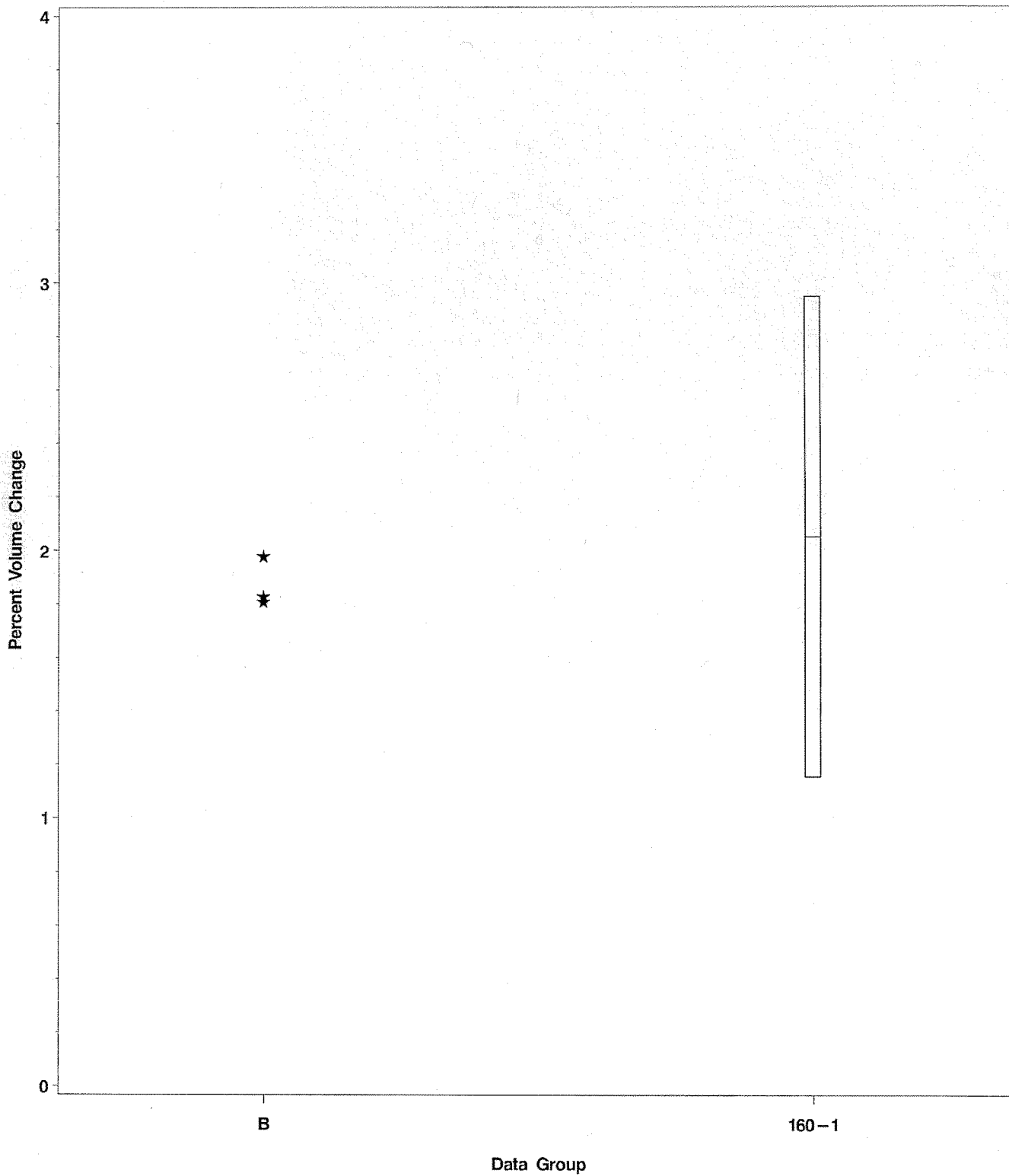
OSCT (FL367)  
Reference Oil 160-1  
New Elastomer Results VS Shewhart Severity Limits

Shore Hardness



OSCT (FL367)  
Reference Oil 160-1  
New Elastomer Results VS Current Shewhart Severity Limits

Percent Volume Change





OSCT (FL367)  
Reference Oil 160-1  
New Elastomer Results VS Current Shewhart Severity Limits

Percent Elongation

