



# Test Monitoring Center

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Pittsburgh, PA 15206-4489  
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MEMORANDUM: 04-084  
DATE: October 18, 2004  
TO: OSCT Surveillance Panel  
FROM: Donald Lind  
SUBJECT: Corrected Reference Oil Targets

Below is a revised table correcting reference oil 161-1 mean for the Nitrile elastomer, Shore Hardness parameter. The mean should be -16.1 and not 16.1 as originally reported. This memo supercedes TMC Memo 04-063.

Reference Oil 161-1				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	PA	144	68.88	17.850
Shore Hardness	PA	144	-24.9	2.83
Percent Volume Change	PA	144	19.624	1.4348

Reference Oil 160-1				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	PA	144	23.04	14.289
Shore Hardness	PA	144	-1.8	1.16
Percent Volume Change	PA	144	0.343	0.4473

Reference Oil 161-1				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	FL	141	-34.57	6.989
Shore Hardness	FL	141	1.6	1.30
Percent Volume Change	FL	141	6.199	0.7080

Reference Oil 160-1				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	FL	141	-47.65	5.506
Shore Hardness	FL	141	1.6	1.36
Percent Volume Change	FL	141	2.053	0.4075

Reference Oil 161-1				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	NI	119	10.43	10.691
Shore Hardness	NI	119	-16.1	2.18
Percent Volume Change	NI	119	18.444	1.7057

Reference Oil 162				
Parameter	Elastomer	N	Mean	Standard Deviation
Percent Elongation	NI	119	-65.35	7.330
Shore Hardness	NI	119	2.0	2.03
Percent Volume Change	NI	119	2.460	1.5821

These targets are effective for all tests completed on or after September 30, 2004.

DML/dml

Attachments

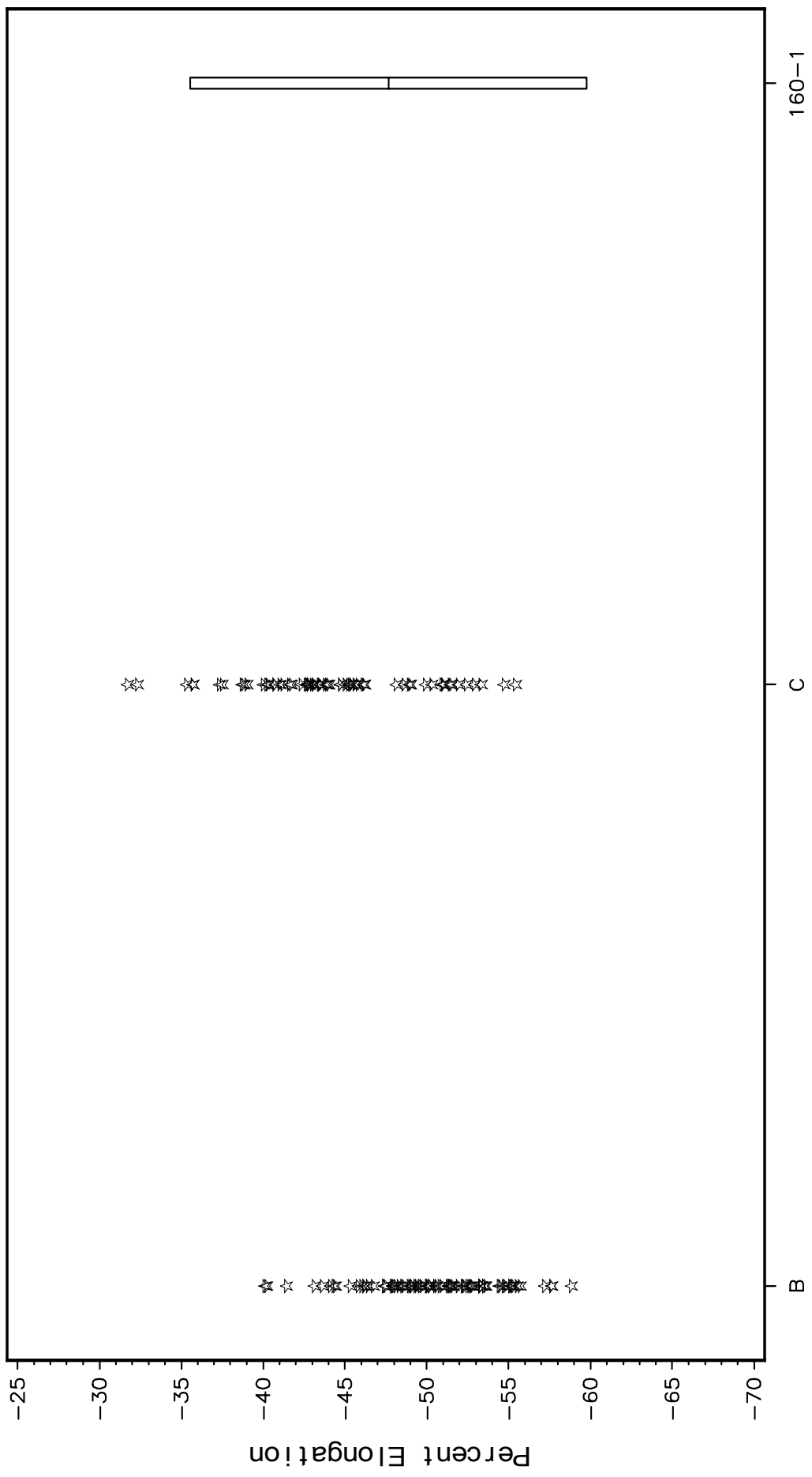
c: Frank Farber, TMC  
John L. Zalar, TMC

<ftp://ftp.astmtmc.cmu.edu/docs/gears/osct/memos/mem04-084.pdf>

Distribution: Electronic Mail

OSCT (FL)  
Reference Oil 160-1  
Test Target Data Set and Shewart Severity Limits

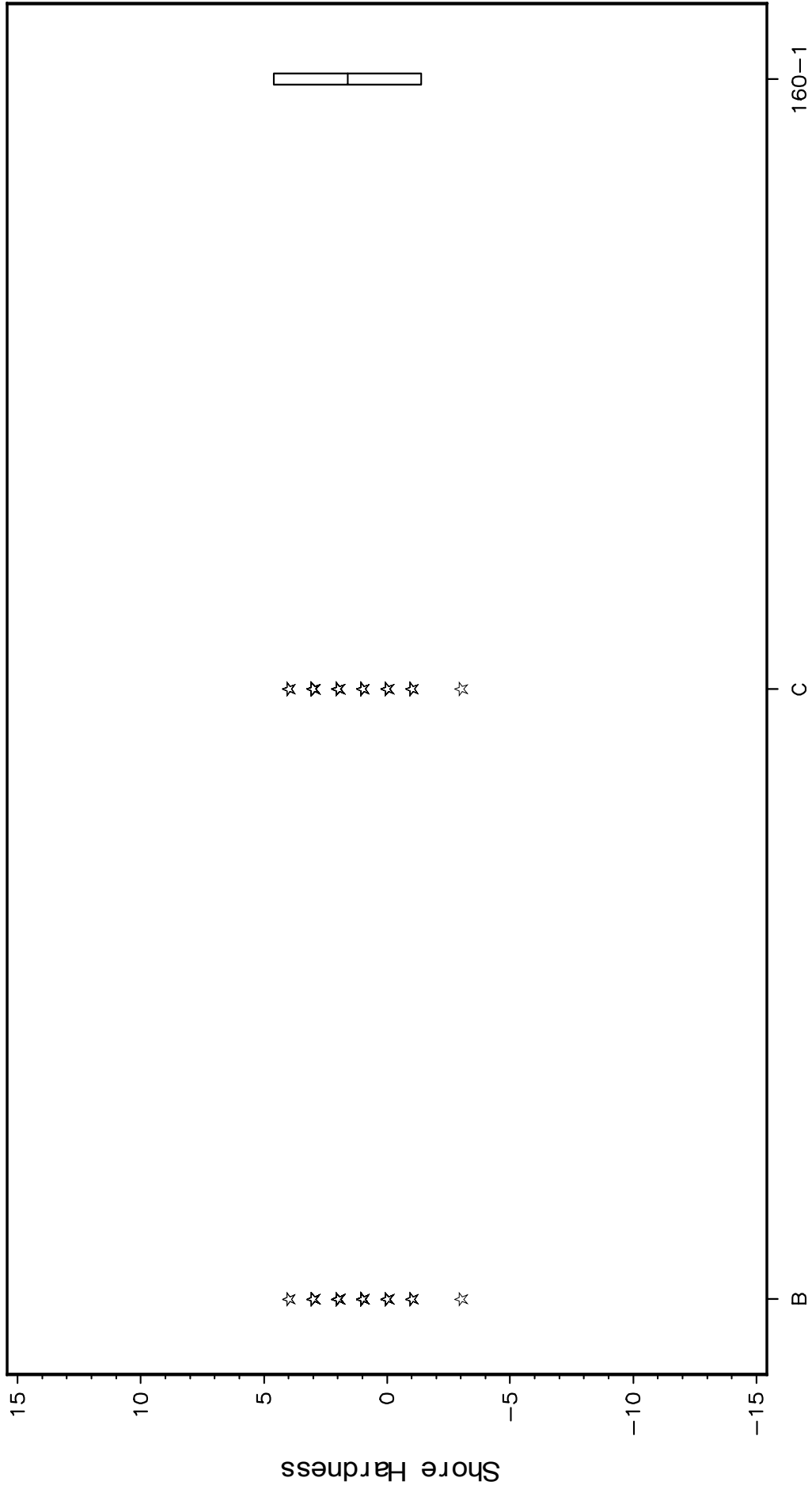
Percent Elongation



Data Group

OSCT (FL)  
Reference Oil 160-1  
Test Target Data Set and Shewart Severity Limits

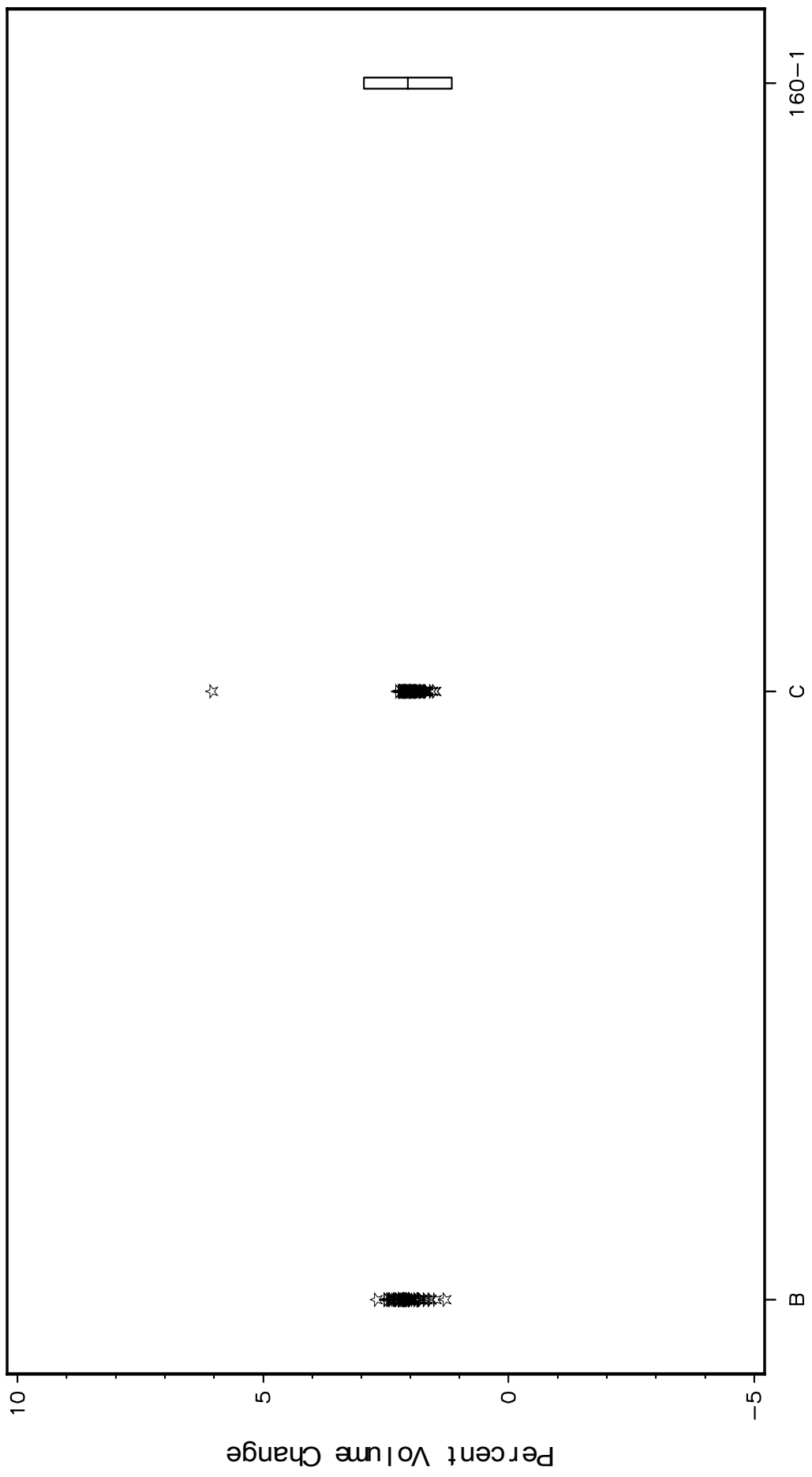
Shore Hardness



Data Group

OSCT (FL)  
Reference Oil 160-1  
Test Target Data Set and Shewart Severity Limits

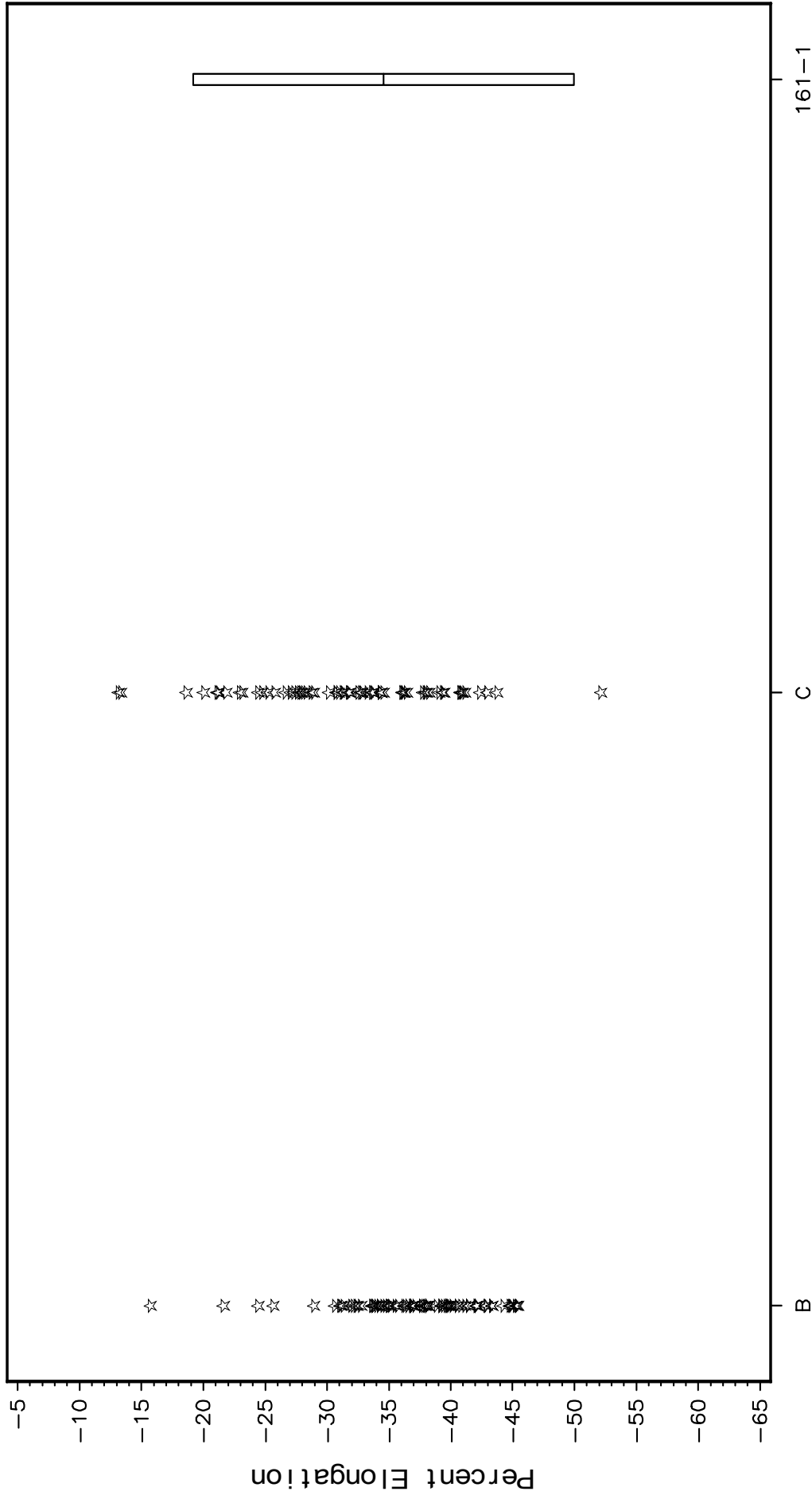
Percent Volume Change



Data Group

OSCT (FL)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

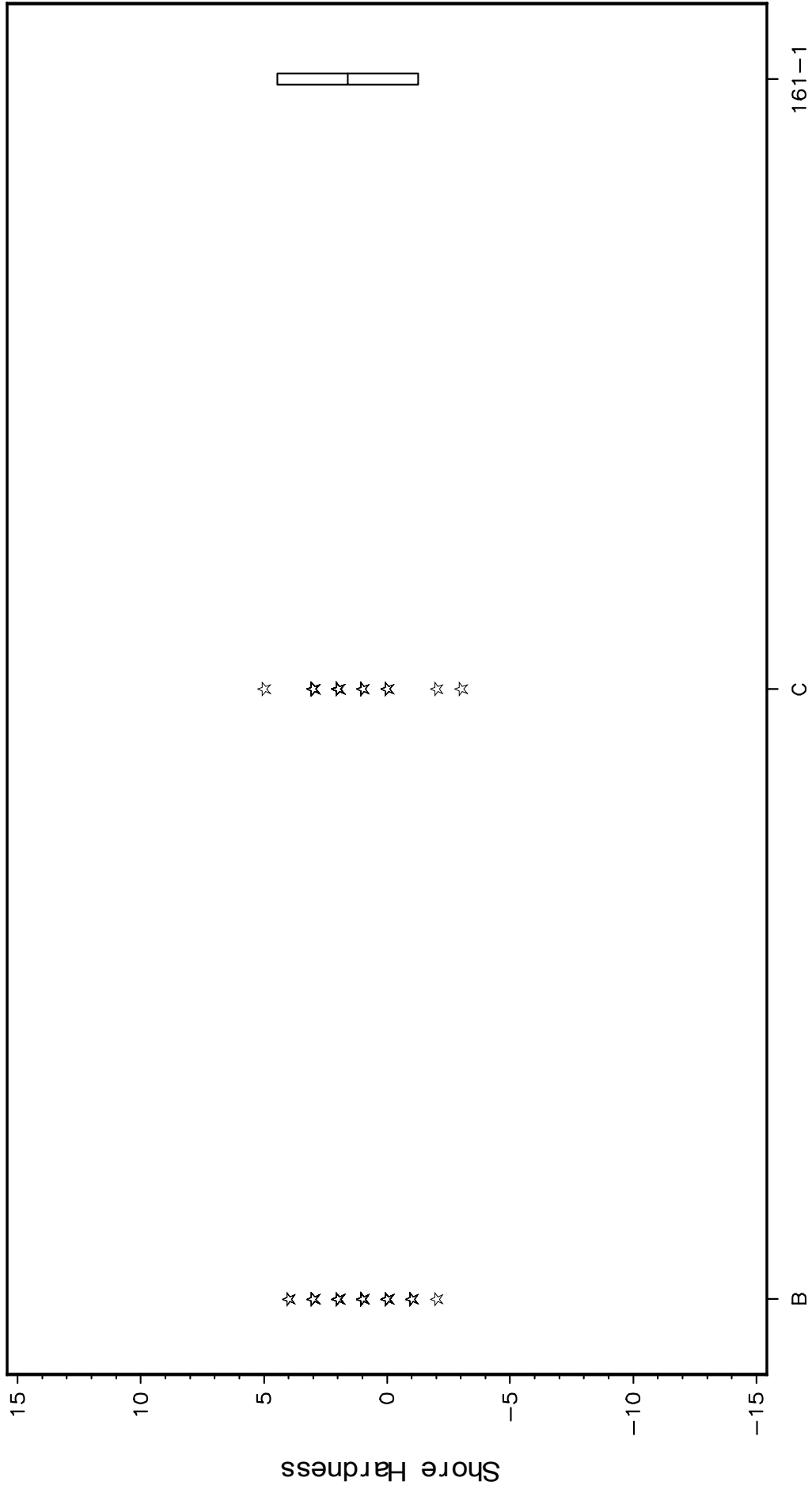
Percent Elongation



Data Group

OSCT (FL)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

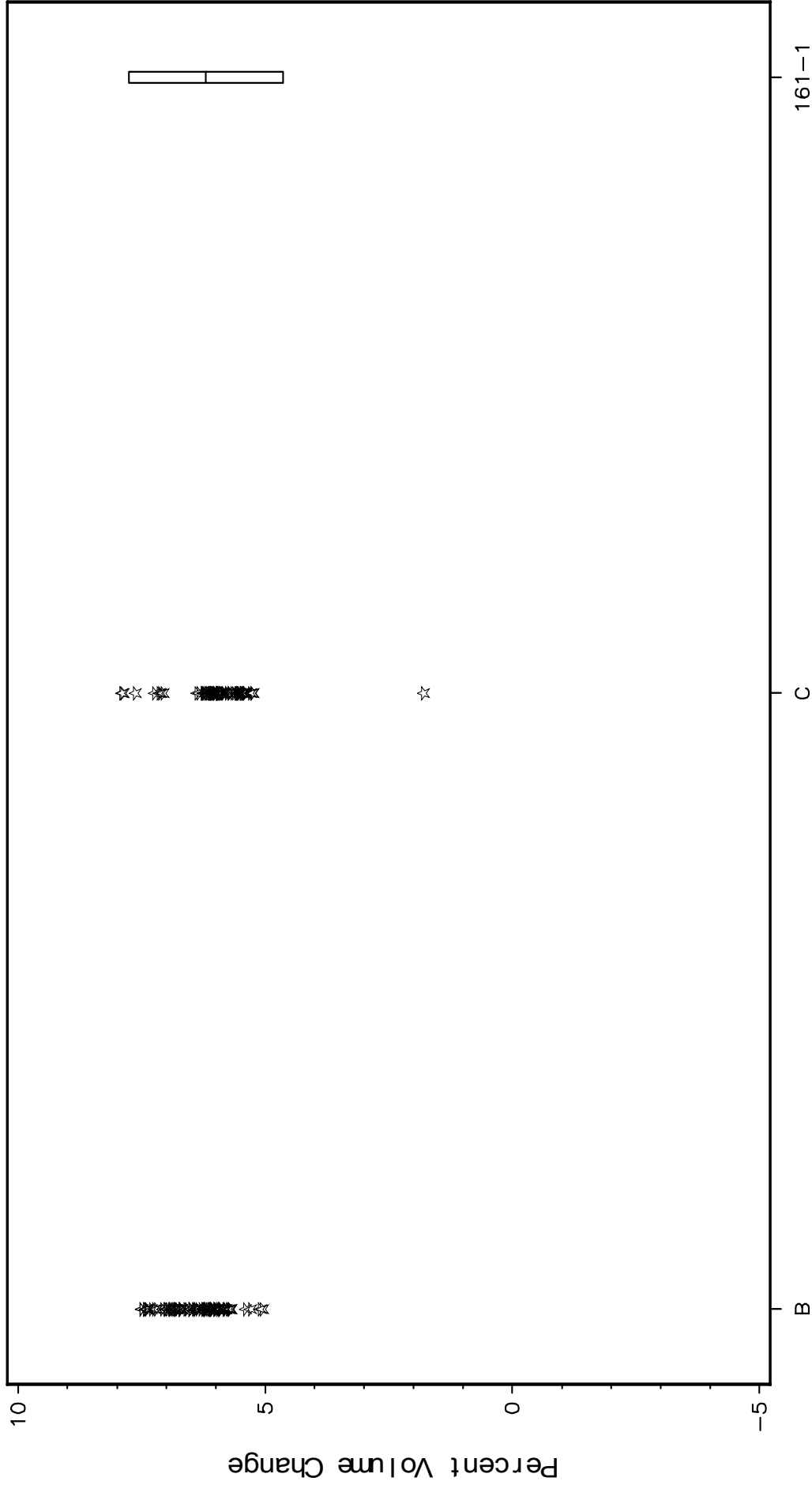
Shore Hardness



Data Group

OSCT (FL)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

Percent Volume Change

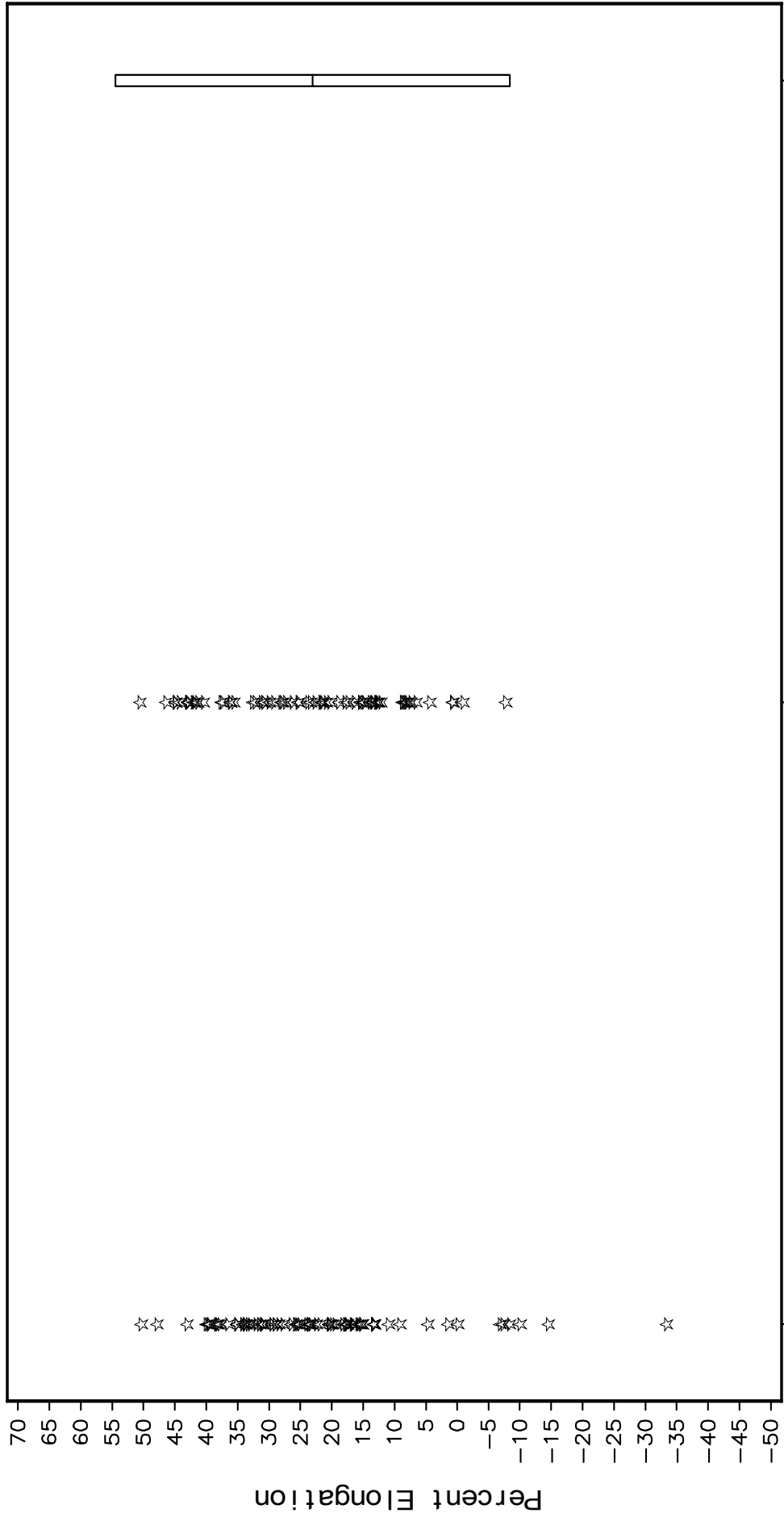


Data Group



OSCT (PA)  
 Reference Oil 160-1  
 Test Target Data Set and Shewart Severity Limits

Percent Elongation



B

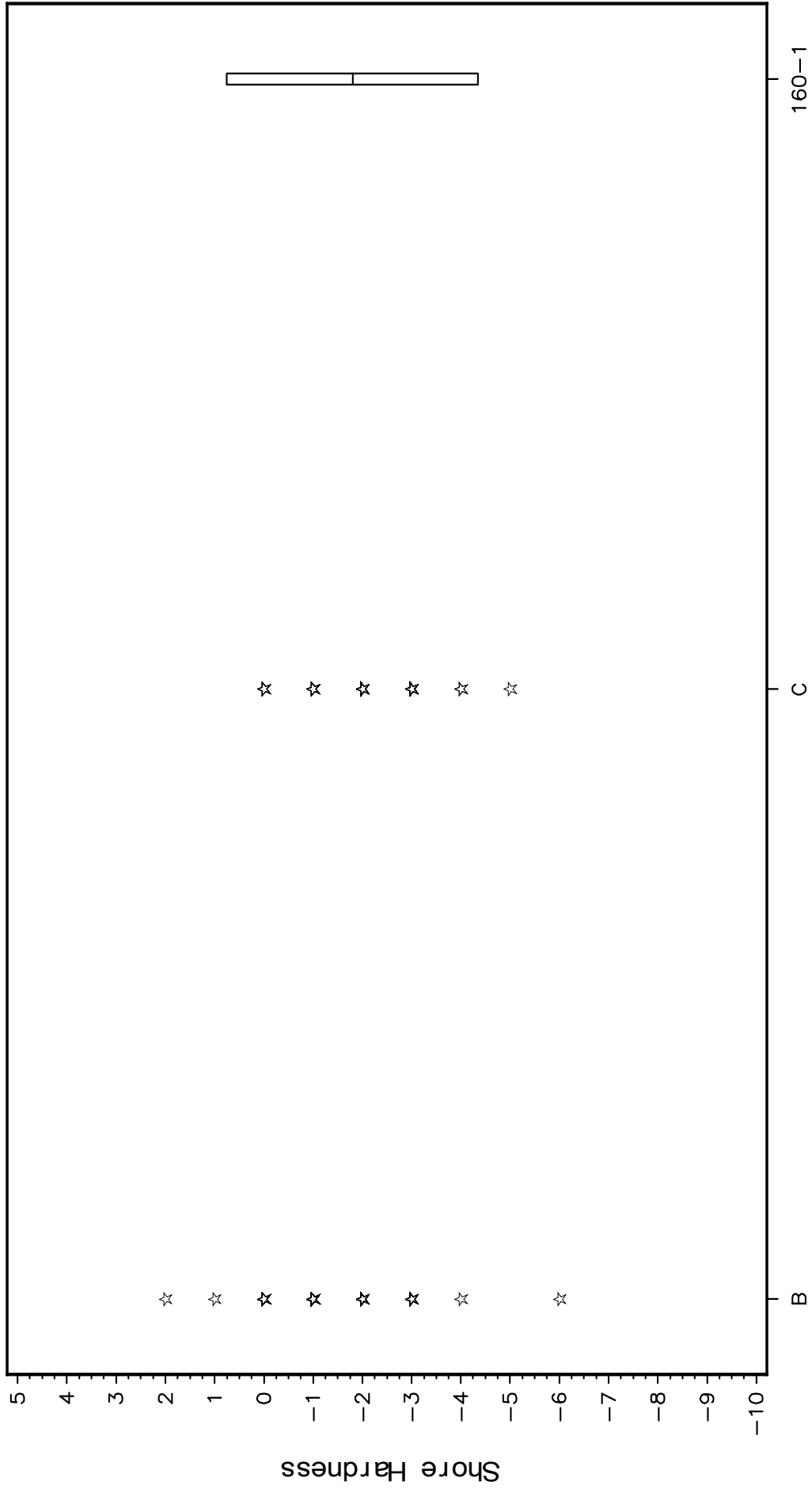
C

160-1

Data Group

OSCT (PA)  
Reference Oil 160-1  
Test Target Data Set and Shewart Severity Limits

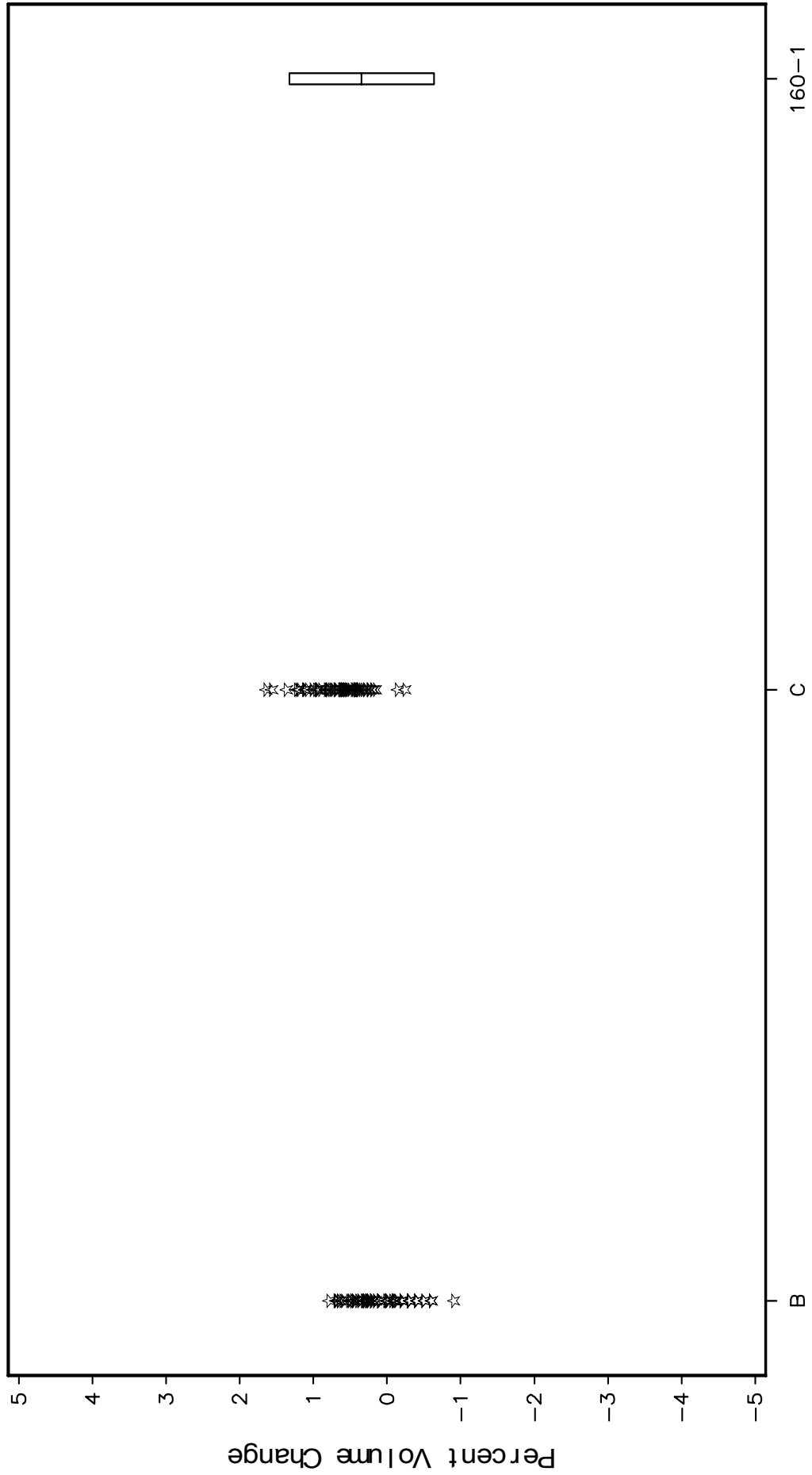
Shore Hardness



Data Group

OSCT (PA)  
Reference Oil 160-1  
Test Target Data Set and Shewart Severity Limits

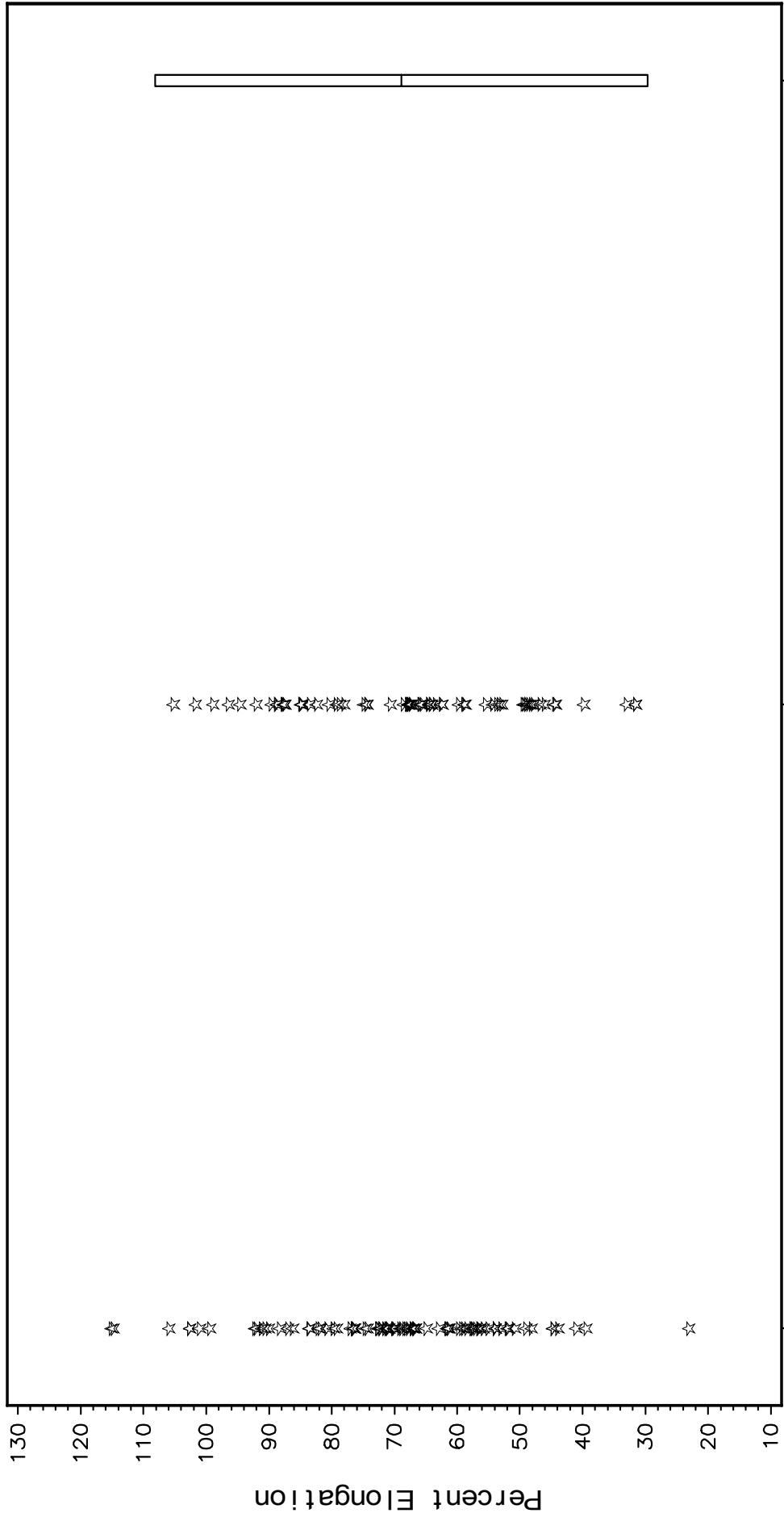
Percent Volume Change



Data Group

OSCT (PA)  
 Reference Oil 161-1  
 Test Target Data Set and Shewart Severity Limits

Percent Elongation



B

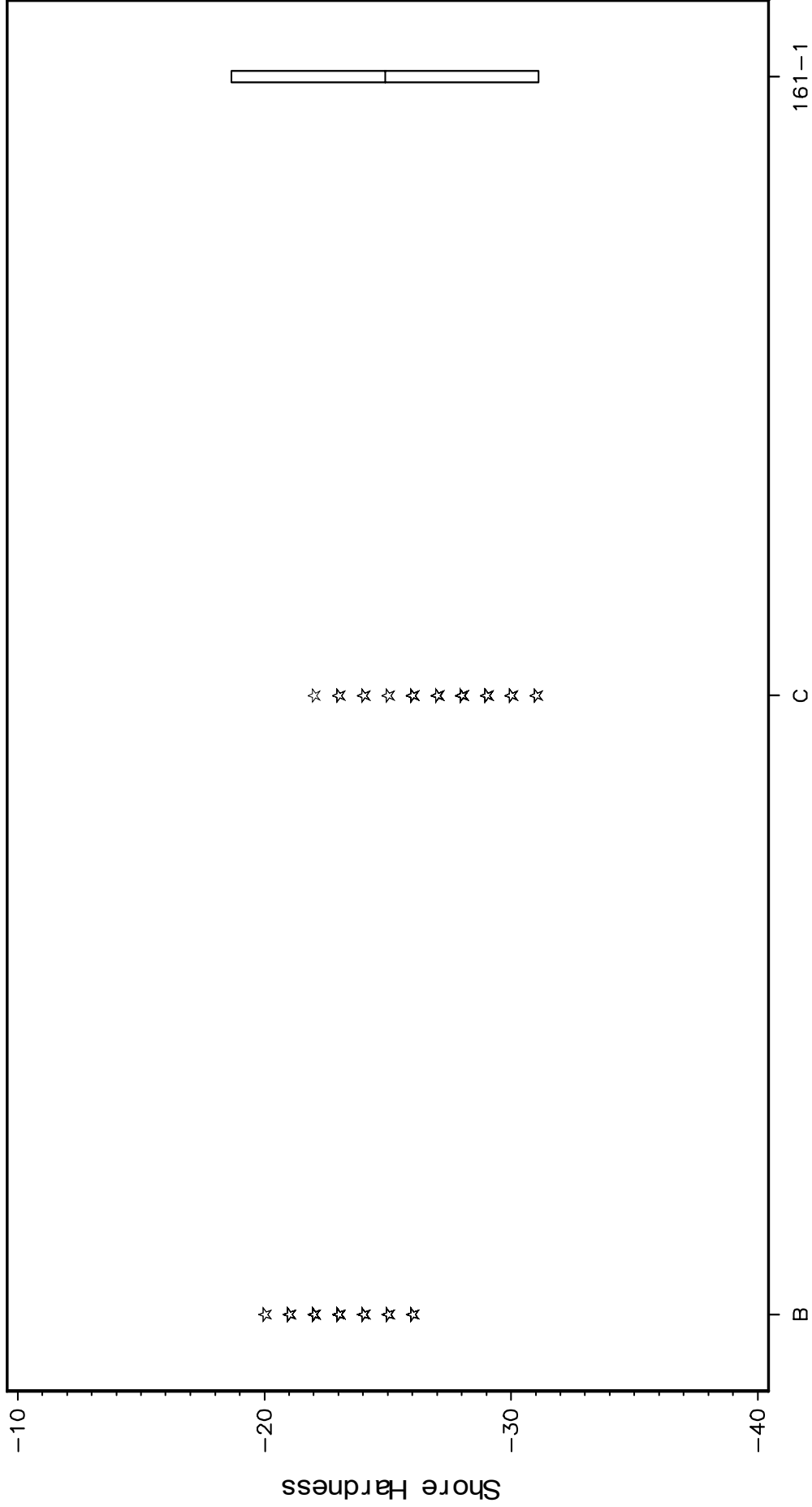
C

161-1

Data Group

OSCT (PA)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

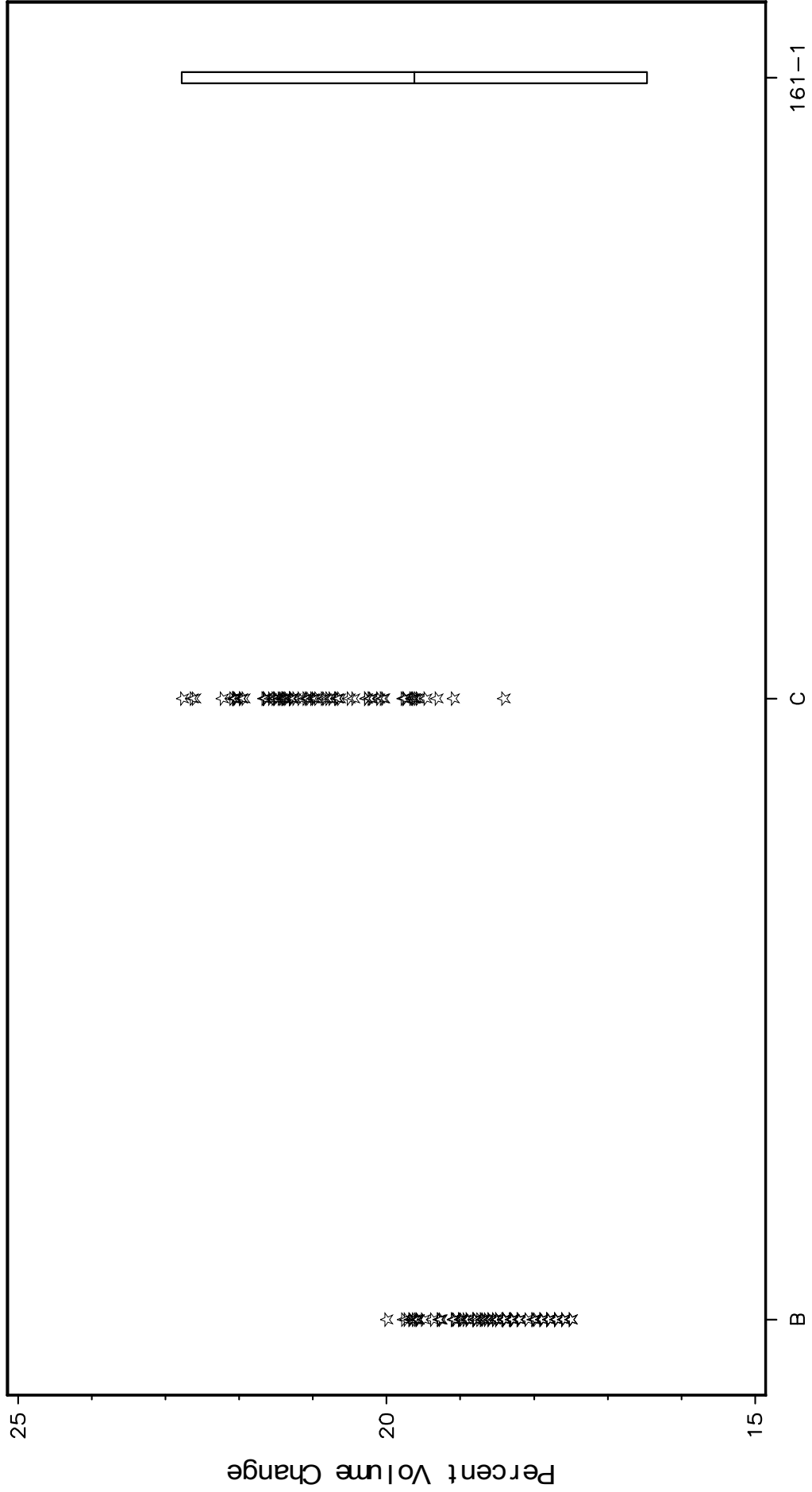
Shore Hardness



Data Group

OSCT (PA)  
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Test Target Data Set and Shewart Severity Limits

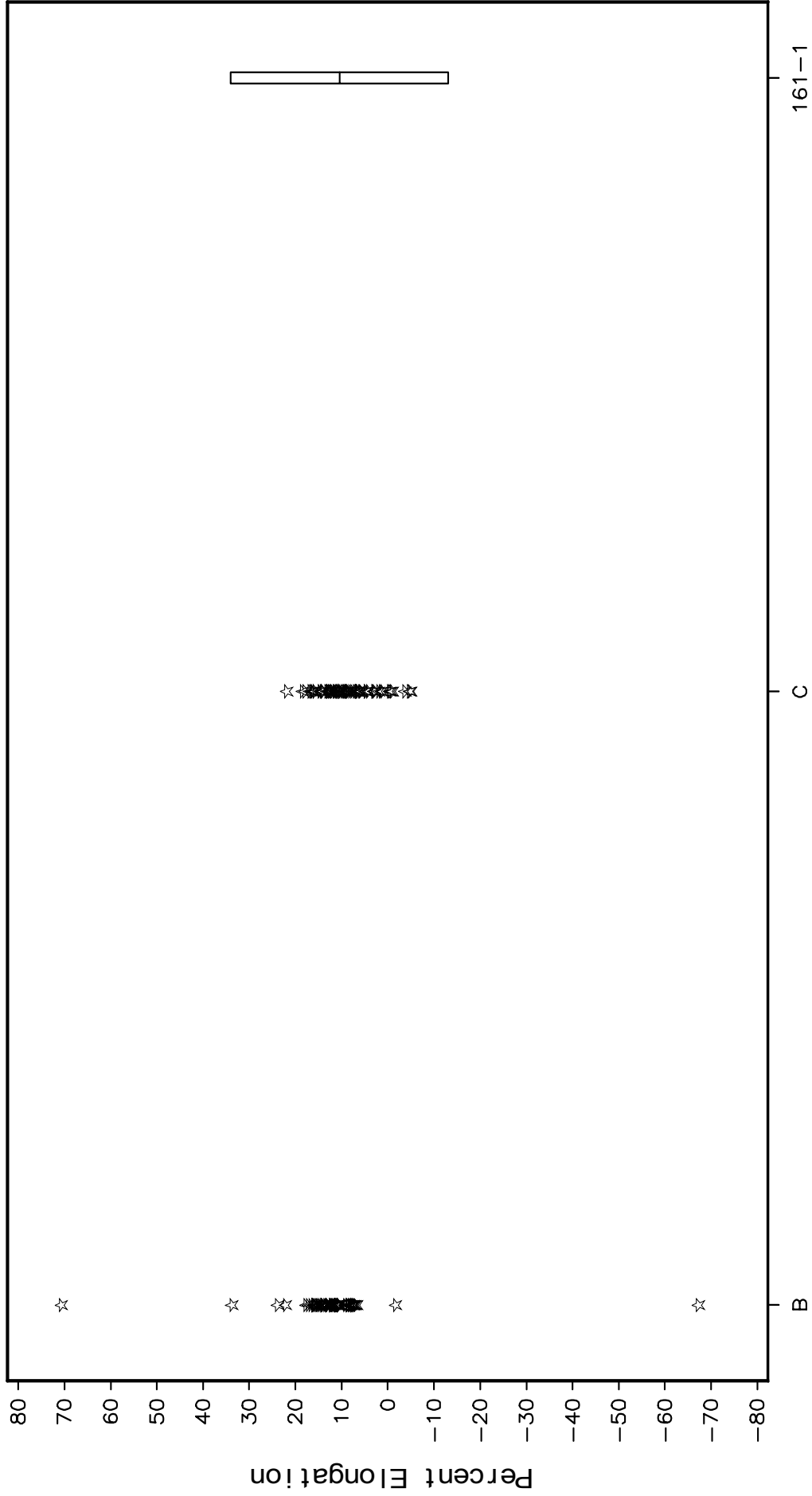
Percent Volume Change



Data Group

OSCT (NI)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

Percent Elongation



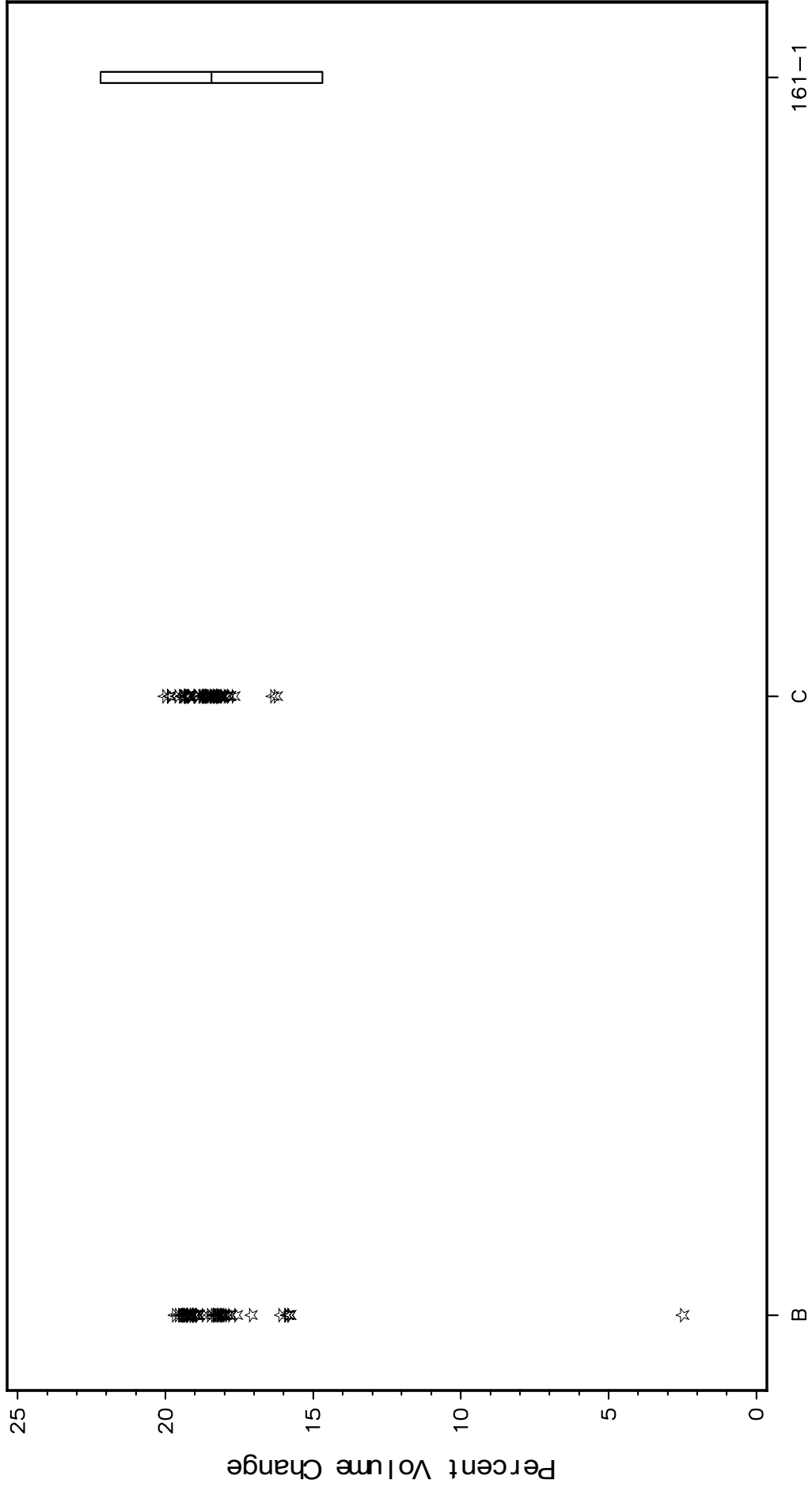
Data Group





OSCT (NI)  
Reference Oil 161-1  
Test Target Data Set and Shewart Severity Limits

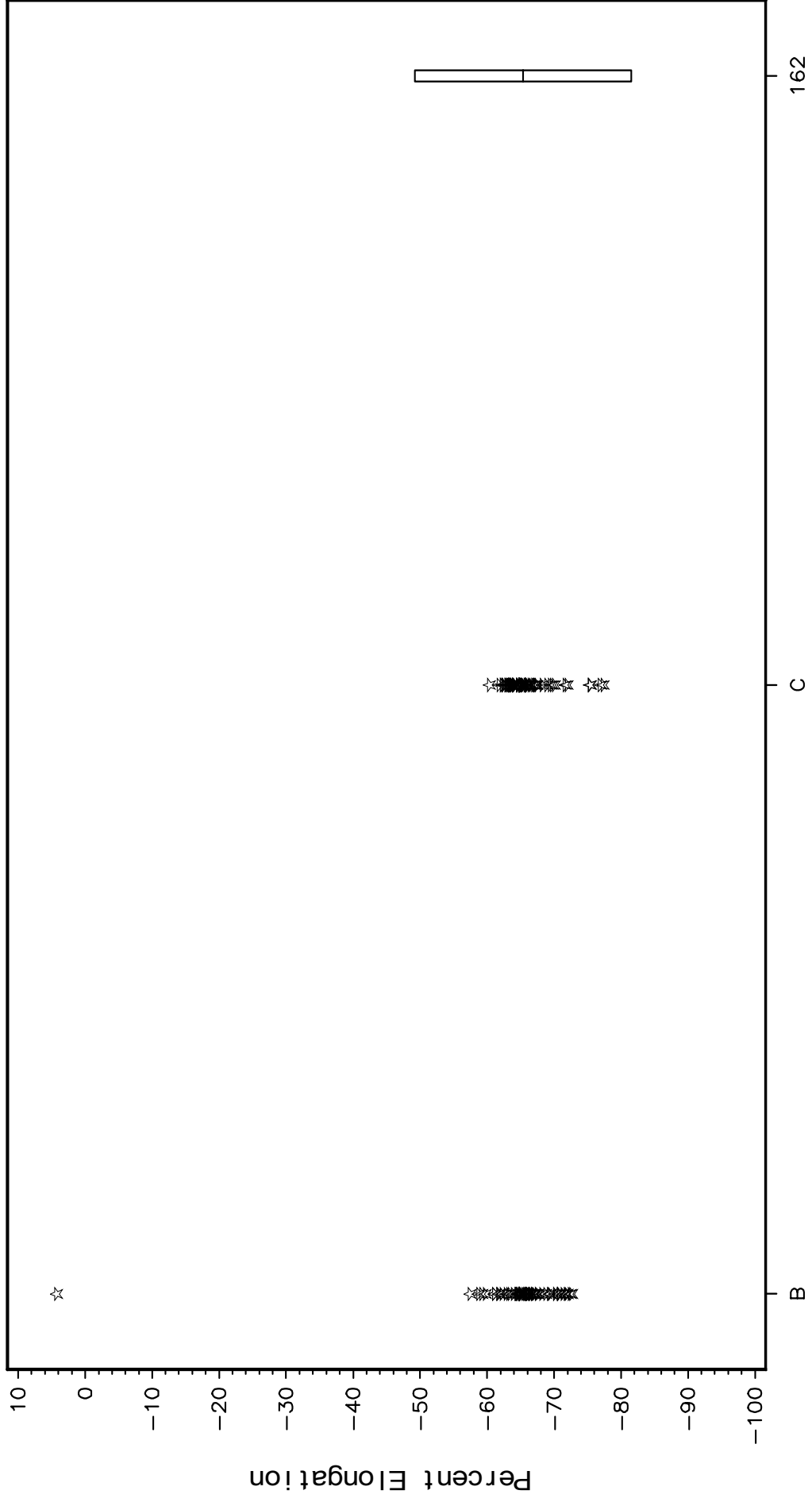
Percent Volume Change



Data Group

OSCT (NI)  
Reference Oil 162  
Test Target Data Set and Shewart Severity Limits

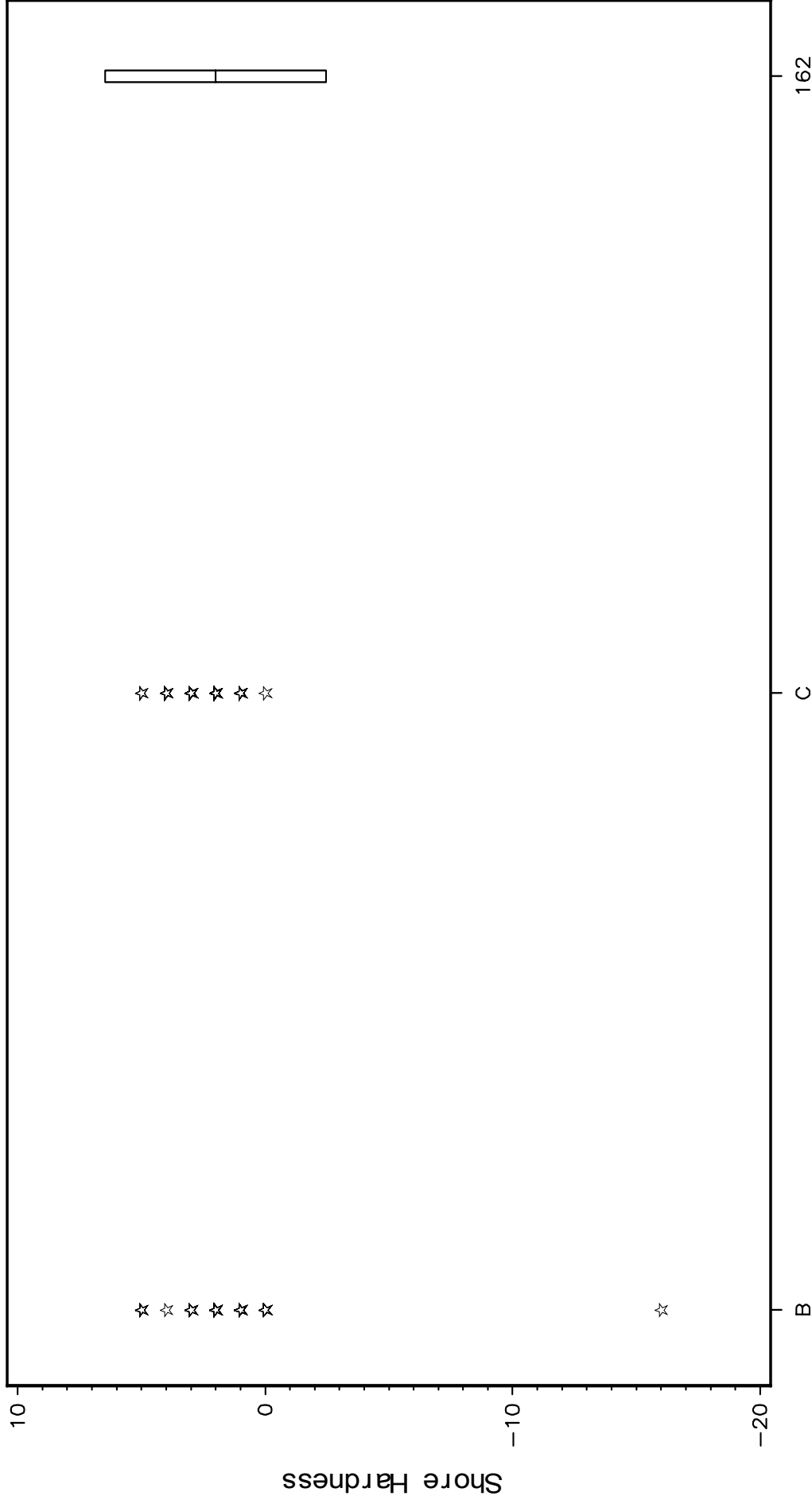
Percent Elongation



Data Group

OSCT (NI)  
Reference Oil 162  
Test Target Data Set and Shewart Severity Limits

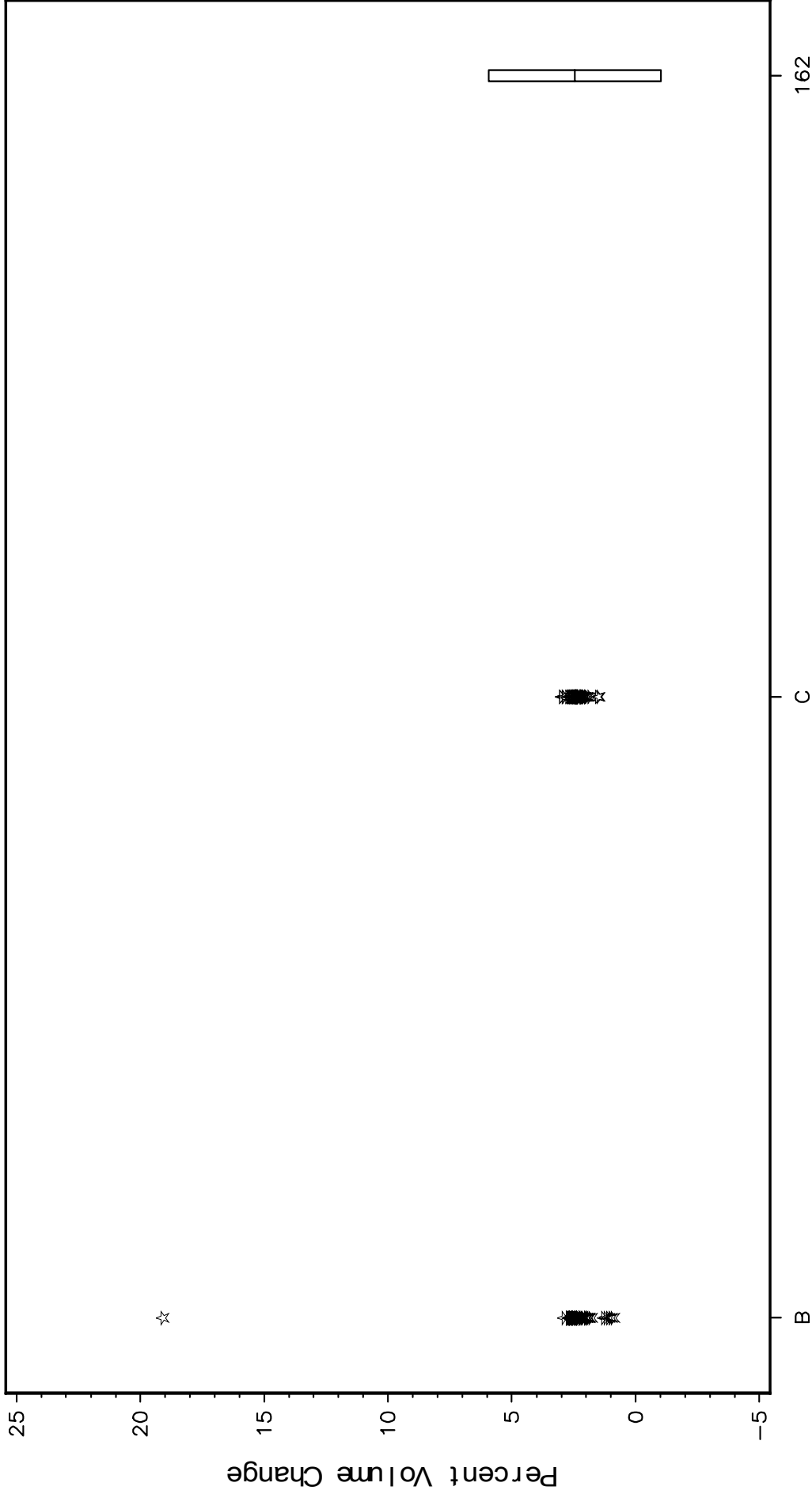
Shore Hardness



Data Group

OSCT (NI)  
Reference Oil 162  
Test Target Data Set and Shewart Severity Limits

Percent Volume Change



Data Group