



Test Monitoring Center

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MEMORANDUM: 03-013
DATE: March 6, 2003
TO: L-37 Surveillance Panel
FROM: Donald Lind
SUBJECT: Gear Batch V1L176/P4L741A Ring Data Approval

On the February 25, 2003 L-37 Surveillance Panel conference call, the panel approved the ring, non-lubrited hardware, gear batch V1L176/P4L741A reference oil targets. The approved ring reference oil test targets for this gear batch are shown in the tables below. Included on the plots are C1L308/P4L318R shewhart limits for comparison purposes.

Reference oil 127 Test Targets (Ring)		
Parameter	Mean	Standard Deviation
WEAR	7.0	1.108
RIDGING	-0.861	0.6411
RIPPLING	0.006	0.6304
SPITTING	0.429	0.1911
SCORING	10.0	0.001

Reference oil 128-1 Test Targets (Ring)		
Parameter	Mean	Standard Deviation
WEAR	7.75	1.065
RIDGING	-0.322	0.6472
RIPPLING	0.212	0.5629
SPITTING	0.462	0.3920
SCORING	10.0	0.001

Reference oil 151-3 Test Targets (Ring)		
Parameter	Mean	Standard Deviation
WEAR	7.75	0.571
RIDGING	0.355	0.4400
RIPPLING	0.144	0.4179
SPITTING	0.602	0.0976
SCORING	10.0	0.001

These targets are effective for all tests completed on or after February 25, 2003.

DML/dml

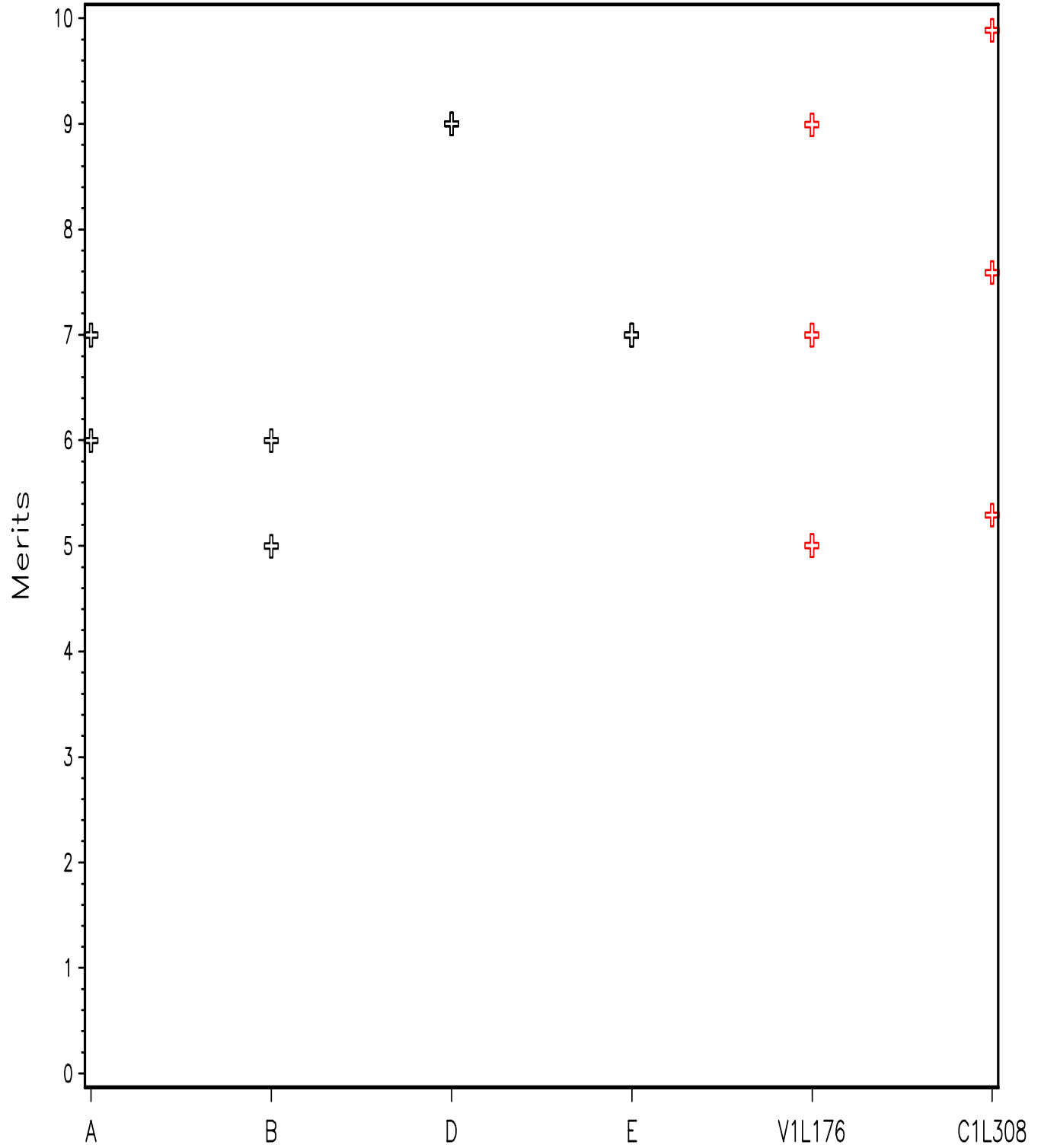
c: Frank Farber, TMC
John L. Zalar, TMC
David DuBois, PRI

<ftp://ftp.astmtmc.cmu.edu/docs/gears/l37/memos/mem03-013.pdf>

Distribution: Email

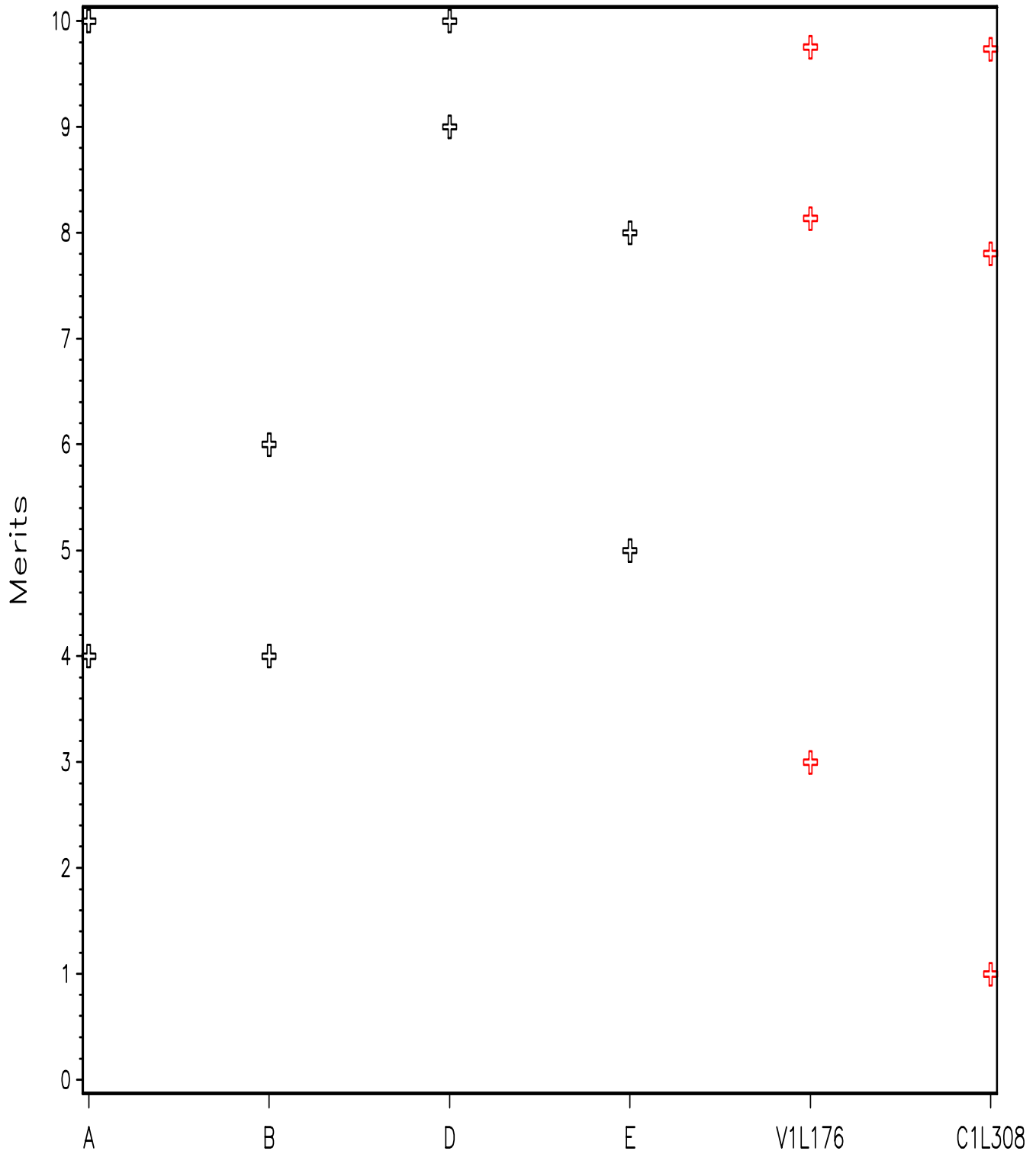
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 127 Target Data Set and Shewhart Severity Limits

RING - WEAR - NON-LUBRITED



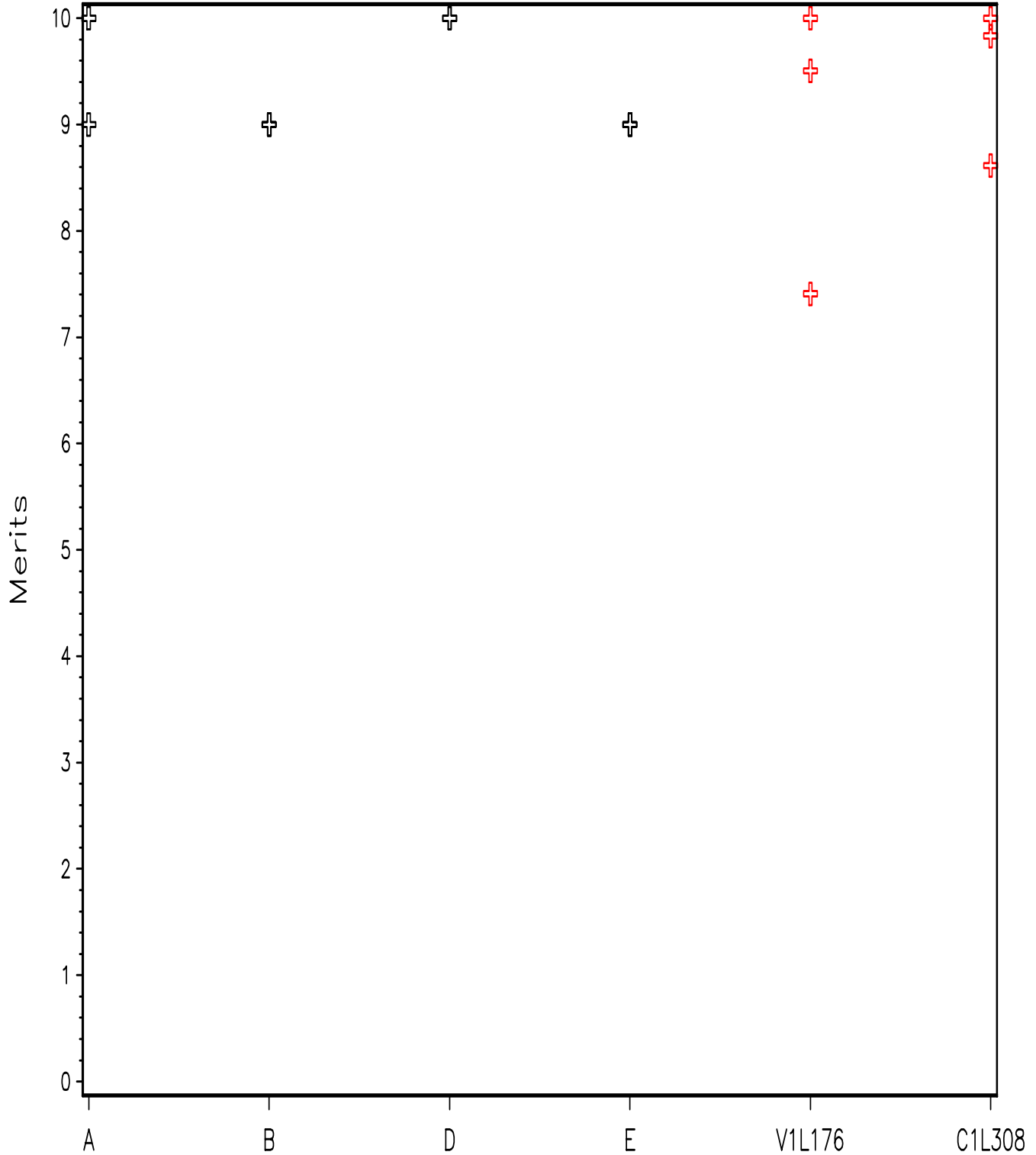
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 127 Target Data Set and Shewhart Severity Limits

RING - RIDGING - NON-LUBRITED



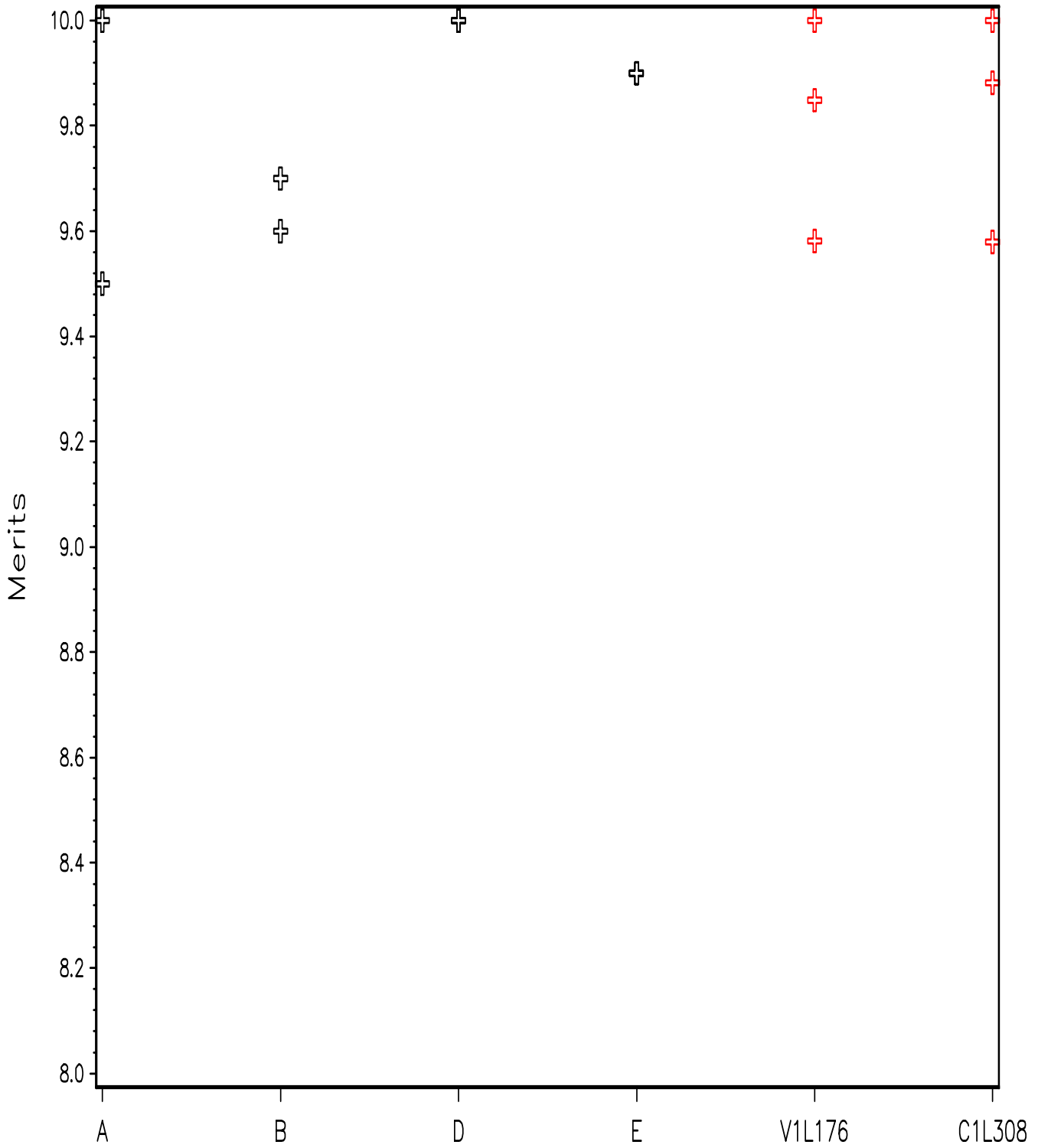
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 127 Target Data Set and Shewhart Severity Limits

RING - RIPPLING - NON-LUBRITED



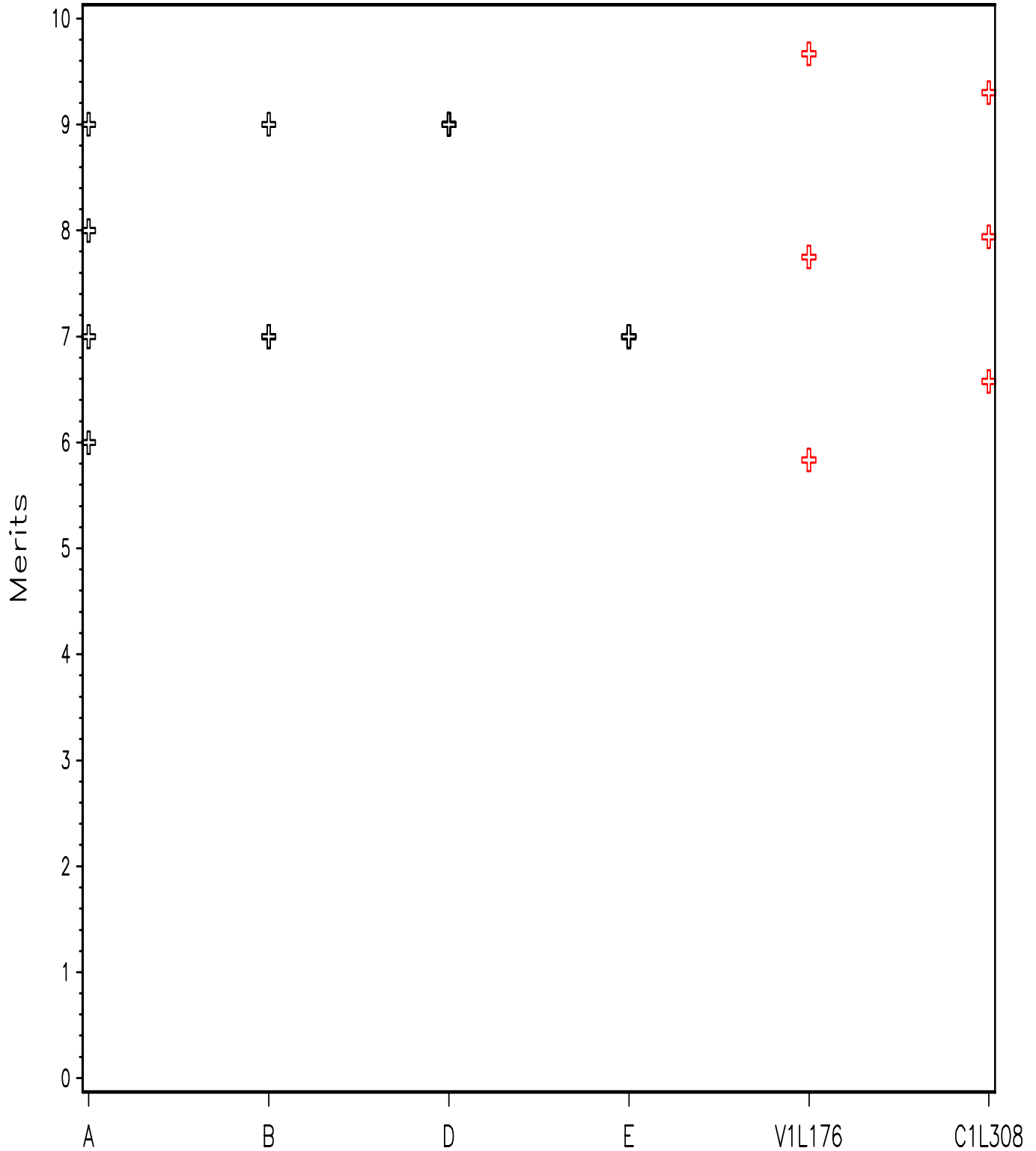
L-37 (Gear Batch V1L76/P4L741A)
Reference Oil 127 Target Data Set and Shewhart Severity Limits

RING - SPITTING - NON-LUBRITED



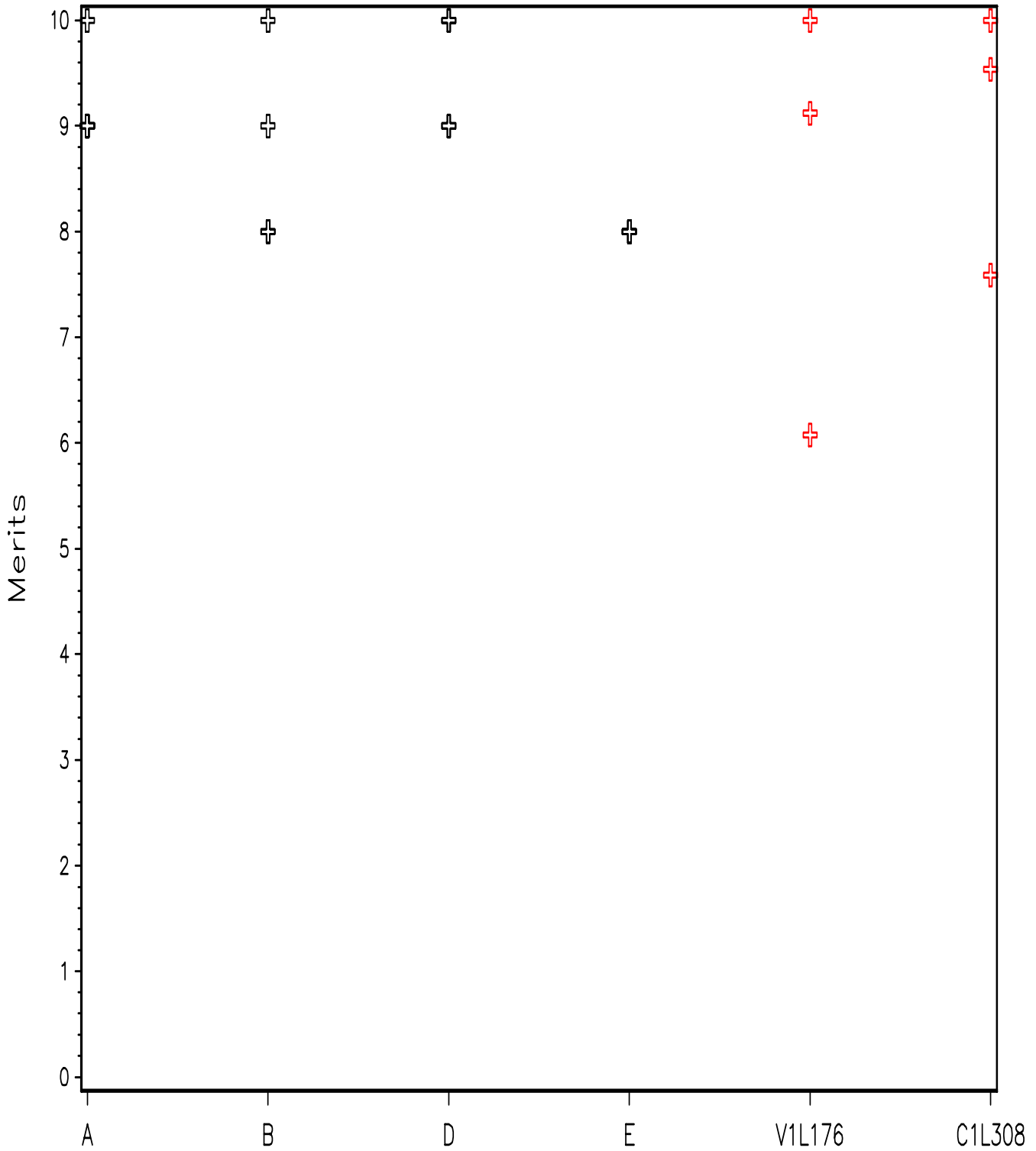
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 128-1 Target Data Set and Shewhart Severity Limits

RING - WEAR - NON-LUBRITED



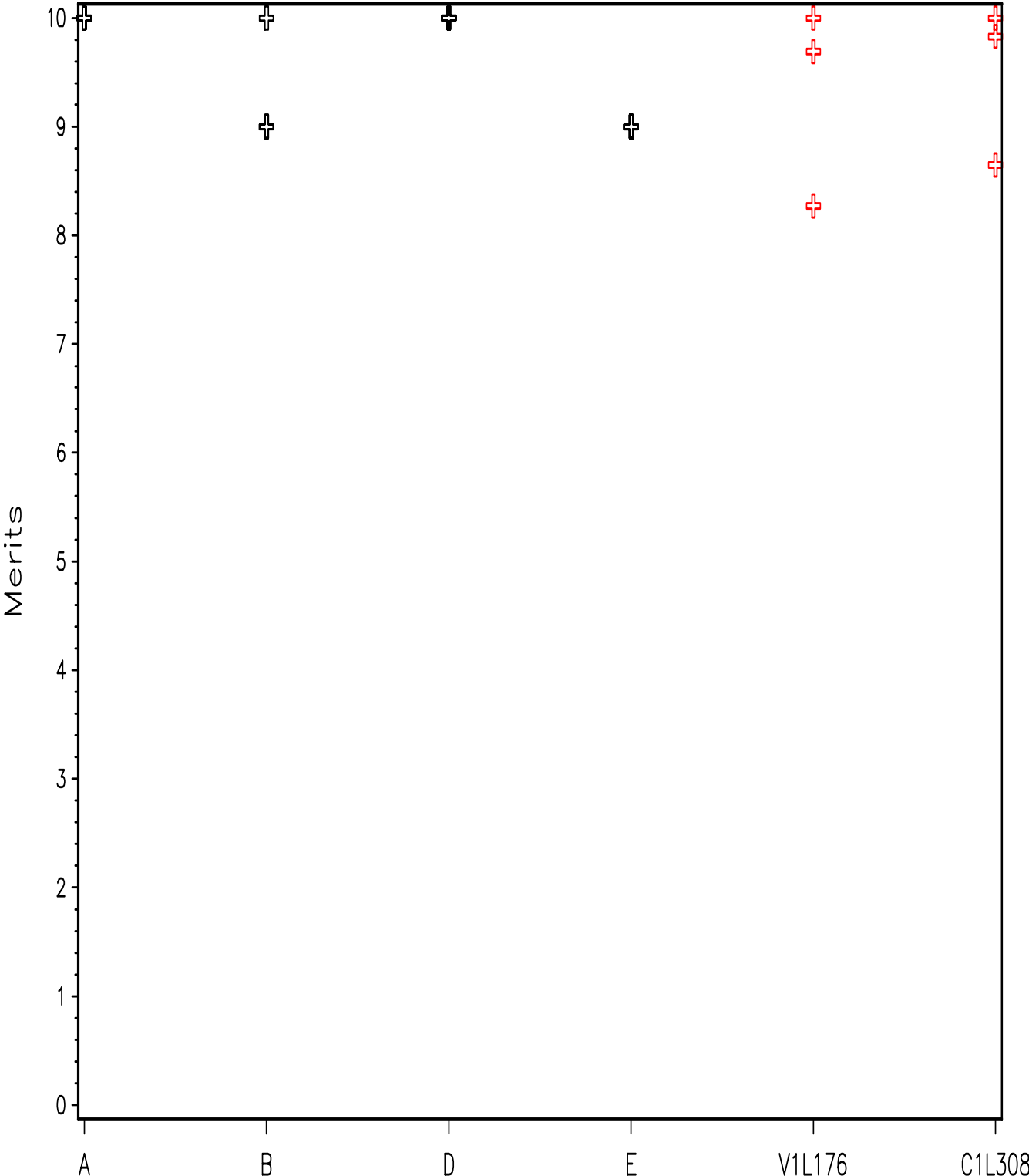
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 128-1 Target Data Set and Shewhart Severity Limits

RING - RIDGING - NON-LUBRITED



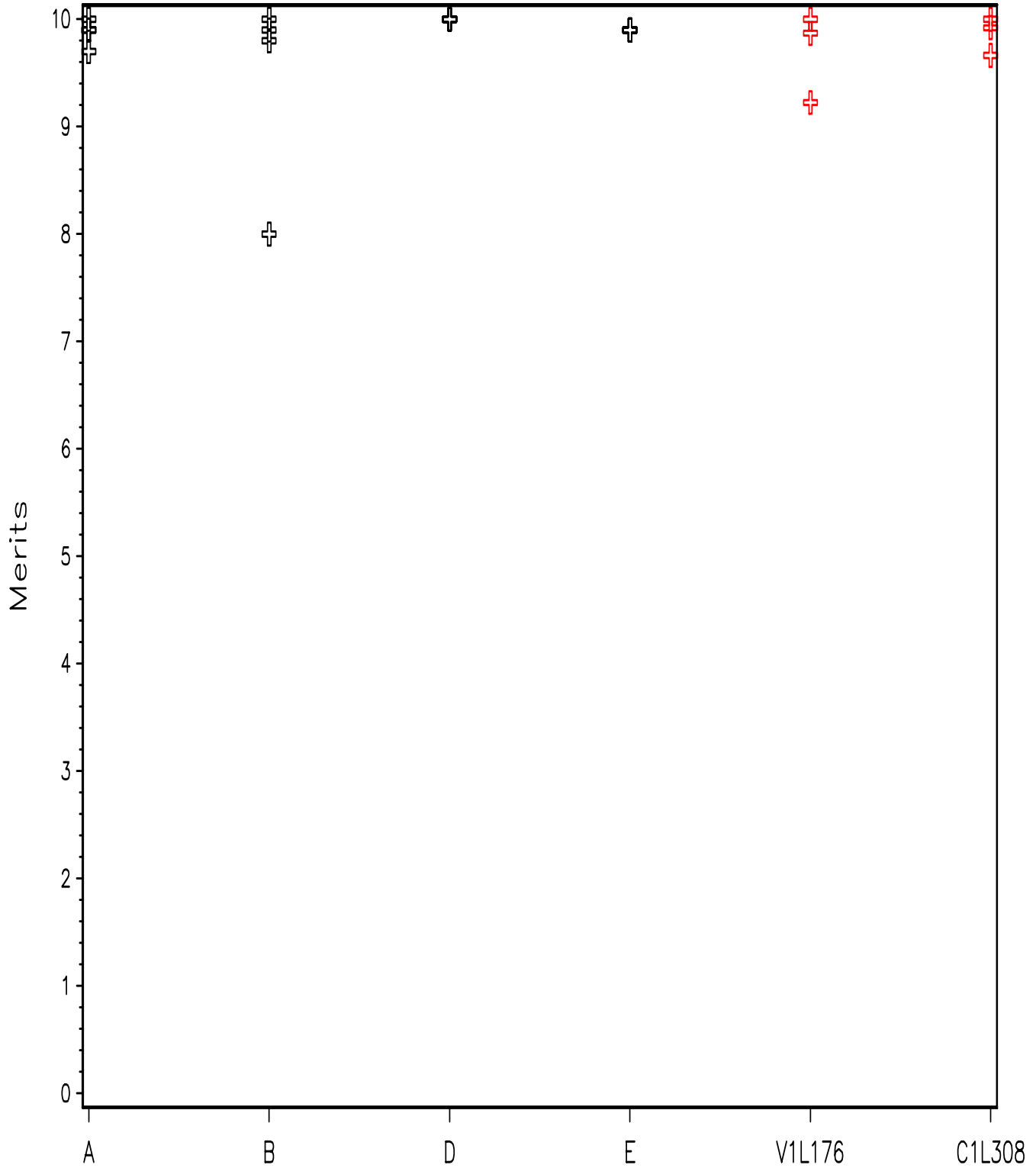
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 128-1 Target Data Set and Shewhart Severity Limits

RING - RIPPLING - NON-LUBRITED



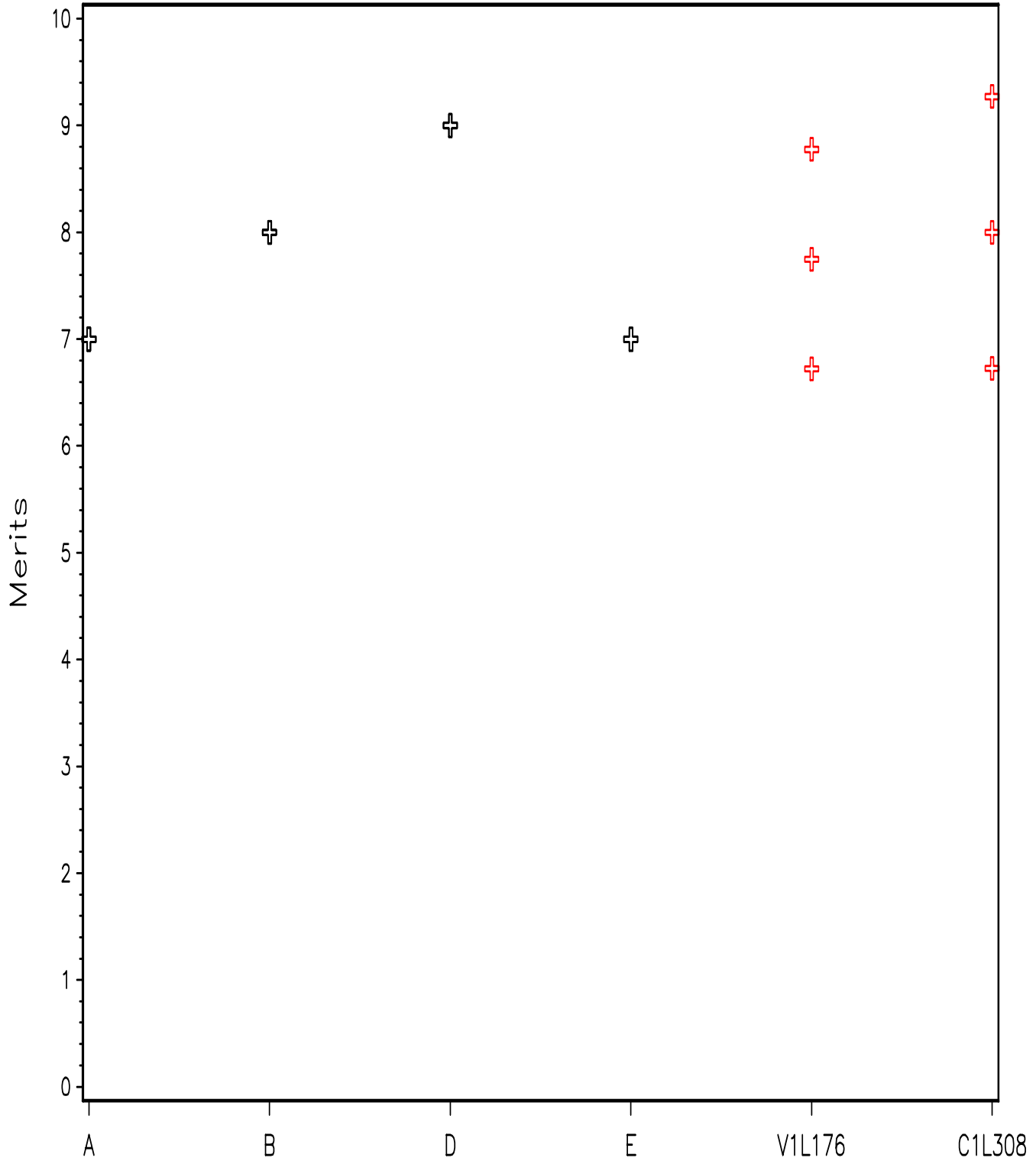
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 128-1 Target Data Set and Shewhart Severity Limits

RING - SPITTING - NON-LUBRITED



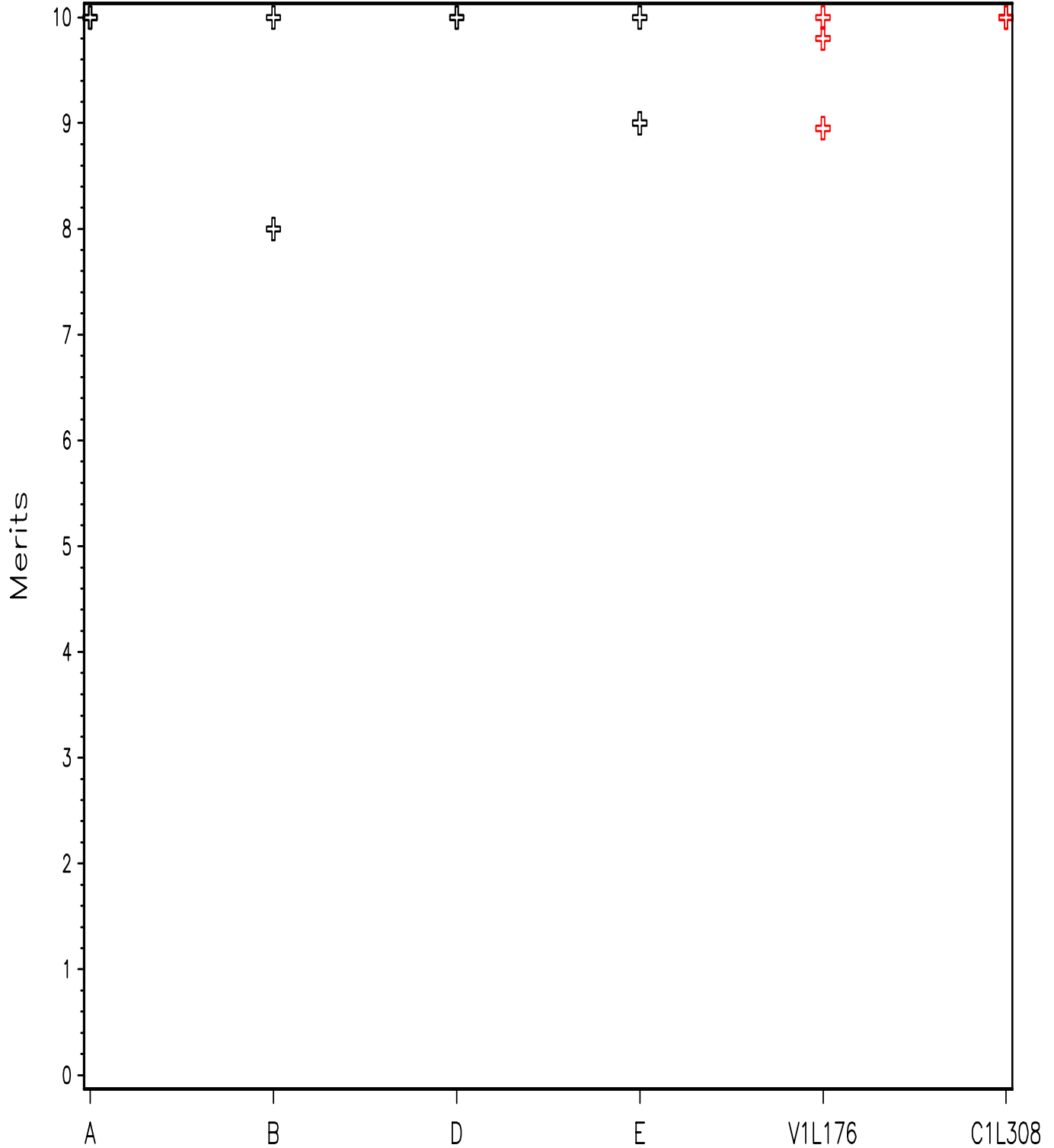
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 151-3 Target Data Set and Shewhart Severity Limits

RING - WEAR - NON-LUBRITED



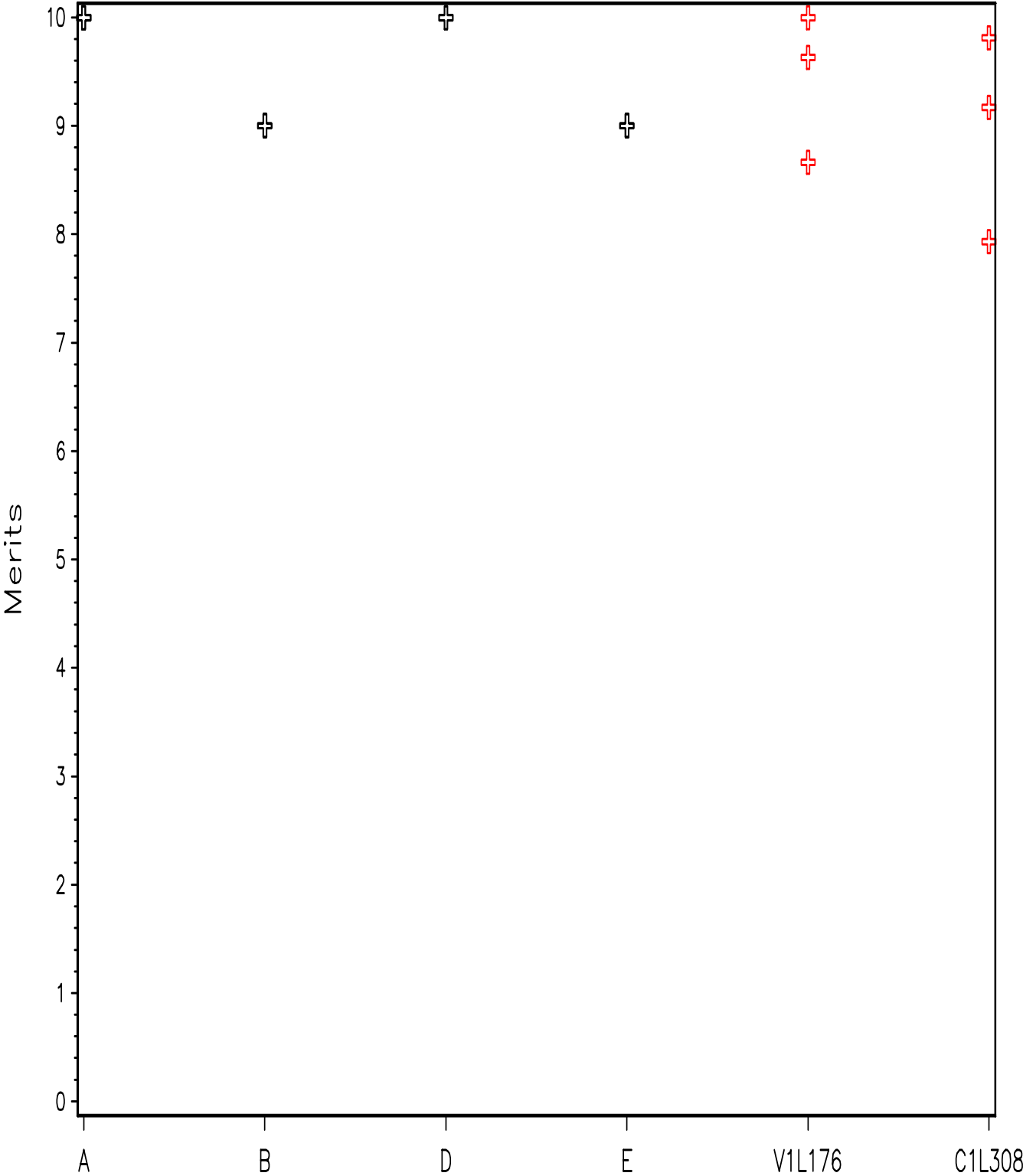
L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 151-3 Target Data Set and Shewhart Severity Limits

RING - RIDGING - NON-LUBRITED



L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 151-3 Target Data Set and Shewhart Severity Limits

RING - RIPPLING - NON-LUBRITED



L-37 (Gear Batch V1L176/P4L741A)
Reference Oil 151-3 Target Data Set and Shewhart Severity Limits

RING - RIPPLING - NON-LUBRITED

