



Test Monitoring Center

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MEMORANDUM: 23-030

DATE: September 18, 2023

TO: L-60-1 Surveillance Panel

FROM: Sean Moyer

SUBJECT: Reference Oil 155-2 Targets and Removal of 155-1 from LTMS

During a surveillance panel conference call on September 15, 2023 the panel agreed to use the reference oil targets from oil 155-1 as the target means and standard deviations for new reference oil 155-2 based on the preliminary data generated by 155-2 testing. The panel agreed to revisit the targets for 155-2 when more data is available.

The panel also agreed to remove oil 155-1 from testing due to the age of the oil.

Both of these changes are effective immediately.

VISCOSITY INCREASE
Unit of Measure: VSI
CRITICAL PARAMETER

Reference Oil	Mean	Standard Deviation
131-3	81.451	7.659
131-4	75.944	7.659
148-1	36.966	7.659
151-2	37.070	2.717
155-2	28.800	3.669

PENTANE INSOLUBLES
Unit of Measure: PEN
CRITICAL PARAMETER

Reference Oil	Mean	Standard Deviation
131-3	2.293	0.413
131-4	2.560	0.413
148-1	0.387	0.413
151-2	2.064	0.380
155-2	1.509	0.434

AVERAGE CARBON/VARNISH

Unit of Measure: ACV
 CRITICAL PARAMETER

Reference Oil	Mean	Standard Deviation
131-3	1.111	0.511
131-4	1.053	0.511
148-1	8.306	0.511
151-2	8.801	0.517
155-2	8.760	0.586

AVERAGE SLUDGE
 Unit of Measure: ASL
 CRITICAL PARAMETER

Reference Oil	Mean	Standard Deviation
131-3	9.411	0.106
131-4	9.483	0.106
148-1	9.532	0.106
151-2	9.382	0.106
155-2	9.426	0.101

TOLUENE INSOLUBLES
 Unit of Measure: TOL
 NONCRITICAL PARAMETER

Reference Oil	Mean	Standard Deviation
131-3	0.554	0.249
131-4	0.923	0.249
148-1	0.257	0.249
151-2	1.329	0.394
155-2	1.109	0.530

cc: Jeff Clark
 Sean Moyer
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 L601 Surveillance Panel

<https://www.astmtmc.org/ftp/docs/gear/l601/memos/mem23-030.pdf>

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