



A Program of ASTM International

Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000

MEMORANDUM: 23-039

DATE: October 30, 2023

TO: L-42 Surveillance Panel

FROM: Dylan Beck *Dylan Beck*

SUBJECT: Approval of 2023 Hardware for Test Use

During an October 30, 2023 conference call the surveillance panel approved the new batch of 2023 L-42 hardware. This was approved as an urgent target update and the approval of the hardware is effective immediately. The new hardware will use the same targets as the previous axle batches for reference oil 117. Test labs are to use P2AD01 as the batch identifier.

cc: Jeff Clark
Sean Moyer

<https://www.astmtmc.org/ftp/docs/gear/142/memos/mem23-039.djb.pdf>

Distribution: email



A Program of ASTM International

Test Monitoring Center

<https://www.astmtmc.org>

Surveillance Panel Meetings L42 2023 Hardware Approval Runs

October, 2023

Approval Run on 2023 Hardware -117 Reference Oil

testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
177218-L42	G	NI	117	20231006	N	18
180239-L42	G	NI	117	20231007	N	22
180240-L42	G	NI	117	20231009	N	19
176815-L42	D	NI	117	20231006	N	21
181500-L42	A	NI	117	20230919		15
					Mean	19
					Std.	2.74
				Current 117 Targets	Mean	23
					Std.	5.49
					Upper Limit	32.9
					Lower Limit	13.1

Y(i) limits +/- 1.800

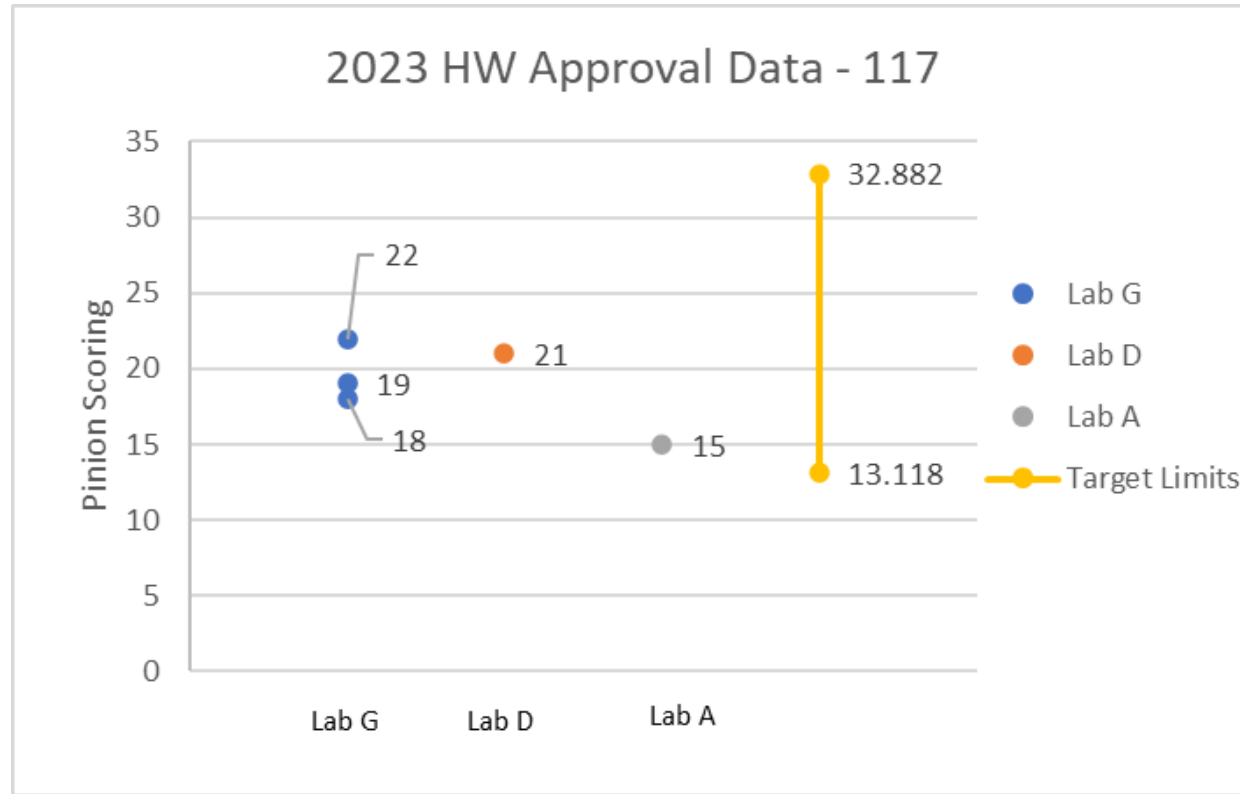


Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000

Approval Run on 2023 Hardware -117 Reference Oil



A Program of ASTM International

Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000

Approval Run on 2023 Hardware -119 Reference Oil

testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
183432-L42	G	AS	119	20231006	N	39
182251-L42	G	AS	119	20231011	N	38
166077-L42	D	AS	119	20231006	N	44
182435-L42	A	NI	119	20230920	N	23
					Mean	36
					Std.	9.06

119 is a discrimination oil without targets. In a four-test calibration sequence discrimination pinion scoring results are expected to be twice the average of the three 117 runs.



Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000

Approval Run on 2023 Hardware -119 Reference Oil

Lab G:

testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
177218-L42	G	NI	117	20231006	N	18
180239-L42	G	NI	117	20231007	N	22
180240-L42	G	NI	117	20231009	N	19
					2x Avg.	39
testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
183432-L42	G	AS	119	20231006	N	39
182251-L42	G	AS	119	20231011	N	38

119 is a discrimination oil without targets. In a four test calibration sequence discrimination pinion scoring results are expected to be twice the average of the three 117 runs.

Lab D:

testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
176815-L42	D	NI	117	20231006	N	21
					2x Avg.	42
testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
166077-L42	D	AS	119	20231006	N	44

Lab A:

testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
181500-L42	A	NI	117	20230919		15
					2x Avg.	30
testkey	ltmslab	val	ind	ltmsdate	CHART	ECSP
182435-L42	A	NI	119	20230920	N	23



A Program of ASTM International

Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000