

Test Monitoring Center

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MEMORANDUM:	15-010
DATE:	April 16, 2015
TO:	Jarrod Chalkley, Chairman, L-42 Surveillance Panel
FROM:	Scott Parke Style

SUBJECT: L-42 Reference Oil Testing from October 1, 2014 through March 31, 2015

Please find attached a summary of reference oil testing activity this period.

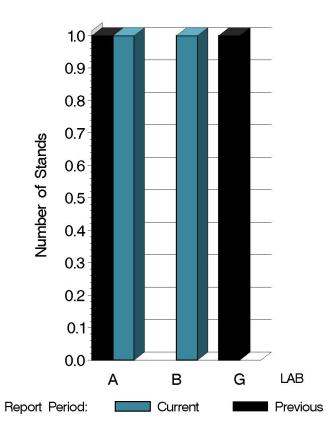
SDP/sdp/mem15-010.sdp.doc cc: Frank Farber Jeff Clark L-42 Surveillance Panel <u>ftp://ftp.astmtmc.cmu.edu/docs/gear/l42/semiannualreports/l42-04-2015.pdf</u>

Distribution: email

L-42 (D7452)

	Reporting Data	Calibrated on 3-31-15
Number of Labs	2	0
Number of Stands	2	0

BY-LAB STAND DISTRIBUTION



14:39:13 15APR2015



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Test Distribution by Oil and Validity

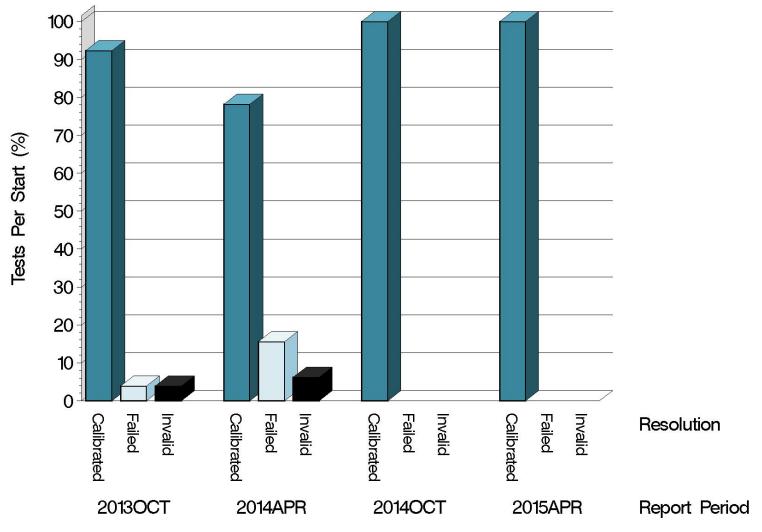
						Tot	als
		112-2	113	116-1	117	Last Period	This Period
Accepted for calibration	AC	0	0	0	7	12	7
Rejected (Mild)	OC	0	0	0	0	0	0
Rejected (Severe)	OC	0	0	0	0	0	0
Rejected (Precision)	OC	0	0	0	0	0	0
Accepted discrimination	AS	1	0	0	0	2	1
Unacceptable discrimination	MS	0	0	0	0	1	0
Invalidated discrimination	LS	0	0	0	0	0	0
Invalidated calibration	LC	0	0	0	0	0	0
Unacceptable calibration	MC	0	0	0	0	0	0
Aborted	XC	0	0	0	0	0	0
Acceptable information run	NI	0	2	0	3	0	5
Unacceptable information run	MI	0	0	1	2	0	3
Total		1	2	1	12	15	16



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CALIBRATION ATTEMPT SUMMARY

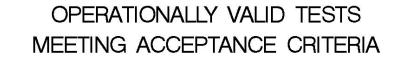


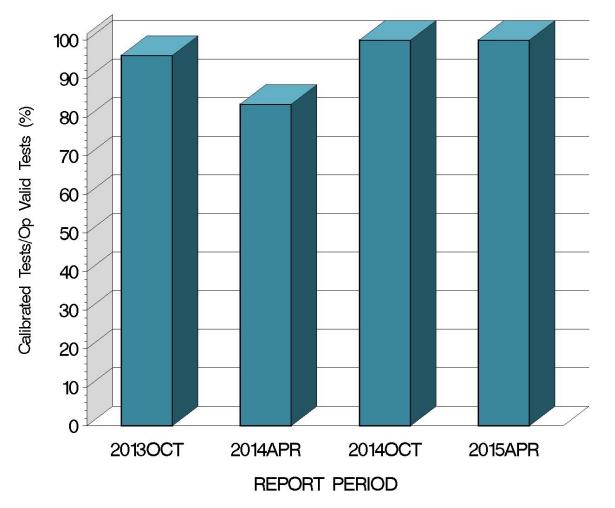
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CAUSES FOR LOST TESTS

			Oil			Validity			Loss Rate				
Lab	Cau	ise	112-2	113	116-1	117	MS	LS	LC	MI	Lost	Starts	%
	No tests lost this										0	16	0%
		Lost	0	0	0	0	0	0	0	0			
		Starts	1	3	1	12	16	16	16	16			
		%	0%	0%	0%	0%	0%	0%	0%	0%	1		

Three tests from the same lab intended to provide information on the new hardware batch were unusable due to having been run with shock series 2 coast side wheel speed too low. These tests are marked with an "MI" validity in the database.



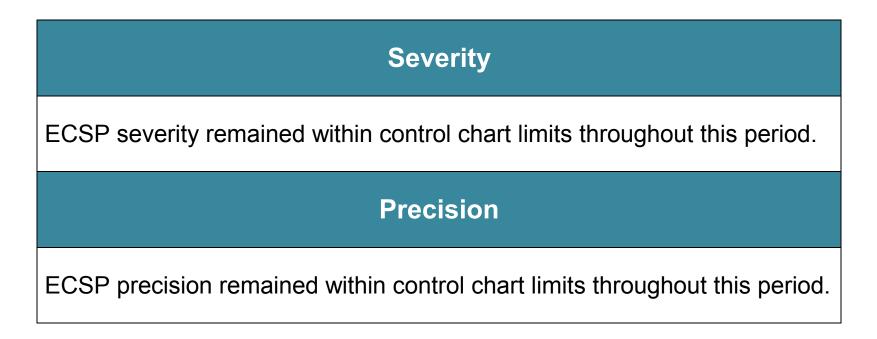
			Coas	t Side Pinior	n Scoring
Oil	Gear Batch	Ν	Mean	Std. Dev.	Average ∆/s
117	C1L680/P8T025A	7	21.7	4.39	-0.23

		Pooled Standard Deviation						
Lab	Coast Side Pinion Scoring ∆/s	df	Coast Side Pinion Scoring		Shock Series I Coast Side Ring Scoring			
Α	-0.23	6	4.39	4.34	0.00			





SUMMARY OF SEVERITY & PRECISION



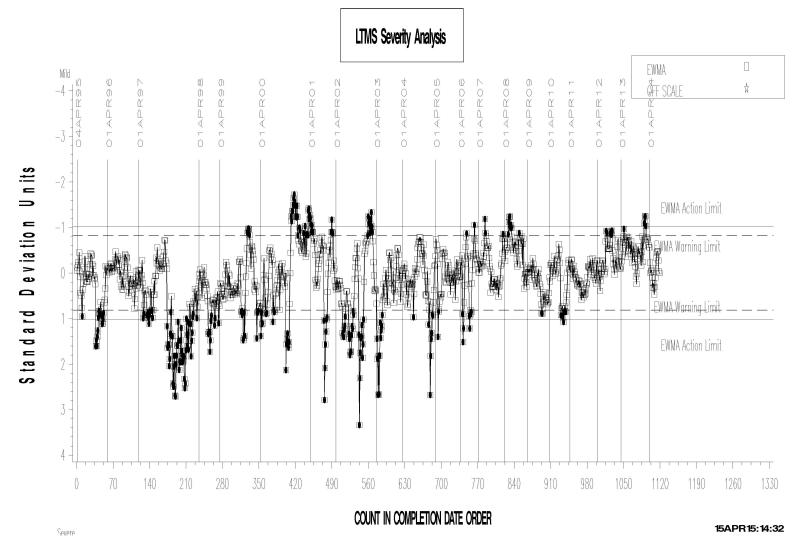
Industry control charts follow.



L-42 (D7452)

L-42 INDUSTRY OPERATIONALLY VALID DATA

FINAL EOT PINION SCORING COAST SIDE

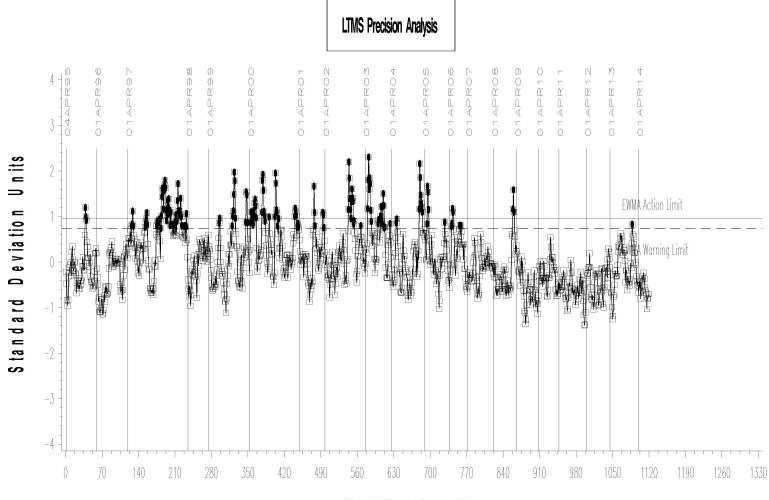




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L-42 INDUSTRY OPERATIONALLY VALID DATA

FINAL EOT PINION SCORING COAST SIDE



COUNT IN COMPLETION DATE ORDER

15APR 15: 14:33

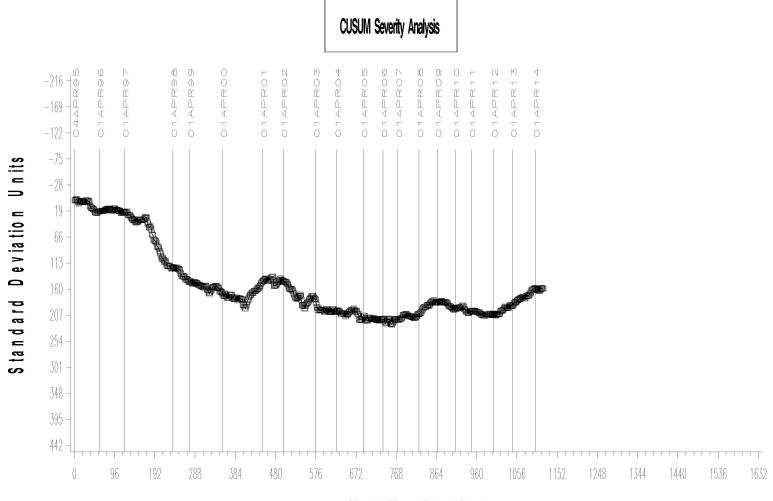


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L-42 INDUSTRY OPERATIONALLY VALID DATA

FINAL EOT PINION SCORING COAST SIDE



COUNT IN COMPLETION DATE ORDER

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TIMELINE ADDITIONS

Effective Date	Information Letter	Event
		There were no timeline additions.





LAB VISITS

One L-42 lab visit was conducted during this period. No procedural nonconformances were found.

INFORMATION LETTERS

No information letters were issued this period.



STATUS OF REFERENCE OIL SUPPLY

		@ TMC			
Oil	Cans @ Labs	Cans	Gallons		
112-2	0	15	7.5		
113	10	136	68.0		
116-1	8	0	0.0		
117	38	942	471.0		
Total	56	1093	546.5		

At surveillance panel direction, the TMC has procured oil 117 as a replacement oil for 116-1. This is a J2360 oil which produces somewhat milder scoring. The oil has been implemented for use as the new "pass" oil with a correction factor +6% for the pinion scoring result and +4% for the ring scoring result.

