

PC-11 VGRA Matrix Test Status

December 3, 2015

T-13:

Two tests remain to be run. They are on PC11G (15W40) and will be run as soon as possible by both labs. All the reported tests still need to be reviewed by the task force for operational validity. All T-13 data will be posted at: <ftp://ftp.astmtmc.cmu.edu/refdata/diesel/T13/data/ltms.csv>

COAT:

Two tests remain to be run. One PC11EE test was aborted depleting the inventory of this oil. The supplier is mixing another 30 gallons for the rerun. The oil is expected to be available to the lab the week of December 21st. All the reported tests still need to be reviewed by the task force for operational validity. All COAT data will be posted at: <ftp://ftp.astmtmc.cmu.edu/refdata/diesel/COAT/data/ltms.csv>

The field COM1 will identify the tests as VGRA matrix tests with a value of "VGRA".
Estimated T-13 Matrix Completion (360 hours/test): Week of January 4, 2016

T-13 VGRA Matrix Test Status

	Lab-Stand	A-1	A-2	D-1	G-1	G-2
Run Order	1	PC11A* 10W30 BS1 Tech1 111339-T13 Reported	PC11Y 10W40 BS1 Tech 1 111446-T13	PC11LL 15W40 BS2 Tech3 111349-T13	PC11A 10W30 BS1 Tech1 111337-T13 Reported	PC11KK 15W40 BS2 Tech2 111439-T13
	2	PC11KK 15W40 BS2 Tech2 111438-T13 Completed		PC11Y 10W40 BS1 Tech1 111445-T13	PC11G 15W40 BS1 Tech1 Planned	PC11LL 15W40 BS2 Tech3 111350-T13
	3	PC11G 15W40 BS1 Tech1 Planned				

✓ Surveillance Panel judged operationally valid.

Test Reported

Invalid

Wrong Oil

* Failed reference criteria

T-13 Reported Results
(Results are not lab severity adjusted)

Oil	TestKey	Lab	Stand	IR Peak Height @ EOT	Viscosity Increase@ 40°C (%)	Comment
PC11A	111339-T13	A	1	91.8	32.4	Failed reference criteria in mild direction
	111337-T13	G	1	116	61.2	Passed reference criteria
PC11KK	111439-T13	G	2	38.0	4.9	
	111438-T13	A	1			
PC11LL	111349-T13	D	1	117.3	56.1	
	111350-T13	G	2	100.0	48.6	
PC11Y	111446-T13	A	2	123.0	59.8	
	111445-T13	D	1	116.1	51.3	

Wrong Oil

COAT

Run #	A	G
1	823 10W30 BS1 Tech 1 110156-COAT	832* 15W40 BS1 Tech 1 110729-COAT
2	PC11X 10W40 BS2 Tech 2 111441-COAT	PC11FF 10W30 BS2 Tech 3 111352-COAT
3	PC11FF 10W30 BS2 Tech 3 111351-COAT	PC11EE 10W30 BS2 Tech 2 111564-COAT
4	PC11EE 10W30 BS2 Tech 2 Aborted Oil Leak	PC11X 10W40 BS2 Tech2 111442-COAT
	PC11EE Pending Re-blend Procurement Expected December 21	
		PC11FF (rerun) 10W30 BS2 Tech 3 113212-COAT
		823 (Correct Oil) 10W30 BS1 Tech 1

✓ Judged operationally valid.

* Failed reference criteria

Test Reported

Invalid

Wrong Oil

COAT Reported Results
(Results are not lab severity adjusted)

Oil	TestKey	Lab	Stand	Average Aeration (40-50) - %	Comment
832	110729-COAT	G	1	10.99	Failed reference prediction error criteria in the severe direction
PC11X	111442-COAT	G	1	11.40	
	111441-COAT	A	1	10.80	
PC11EE	111564-COAT	G	1	10.01	
PC11FF	111351-COAT	A	1	10.73	
	113212_COAT	G	1	11.03	
823	110156-COAT	A	1	10.19	

Wrong Oil

If there are any questions please let me know.

Best regards,
Frank

Frank Farber
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ftp://ftp.astmtmc.cmu.edu/docs/diesel/PC11matrix/20151203_VGRAMatrixTestStatus.pdf