

VIF Precision Matrix

Seven of eight Stage 1 sense check matrix tests have been reported. An additional one has been completed and is under review. All reported data is posted at: <ftp://ftp.astmtmc.cmu.edu/refdata/gas/VIF/data/ltms.csv>

The field COM2 will identify the test as a precision matrix test with a value of "MATRIX".

Oils: 542-2 (0W-20), 543 (0W-16), 1011(0W-16)

Run Order	EOT Engine Hours	SwRI #1		SwRI #2		IAR #1		IAR #2	
1	350	Stage 1 Sense Check	543 112952-VIF	Stage 2 Sense Check	1011	Stage 1 Sense Check	542-2 112957-VIF	Stage 2 Sense Check	1011
2	550		542-2 112951-VIF		542-2		543 112958-VIF		543
3	750		542-2 113818-VIF		1011		543 113823-VIF		1011
4	950		543 113819-VIF		543		542-2 113822-VIF		542-2
5	1150	1011		543		1011		542-2	
6	1350	543		1011		543		1011	
7	1550	542-2		542-2		1011		543	
8	1750	1011				542-2			

Test Reported

Under Review

Invalid

Test length ~7 days

Estimated Stage 1 sense check completion: Week of February 8, 2016

VIF Precision Matrix

IND	Testkey	Lab/Stand	FEI1	FEI2	Comment
542-2	112951-VIF	A1	2.42	1.59	
	112957-VIF	G1	2.10	1.44	
	113818-VIF	A1	2.28	1.46	
	113822-VIF	G1	1.38	0.95	Under Review – Exhaust Back Pressure Calibration Problem
543	112952-VIF	A1	1.75	2.33	
	112958-VIF	G1	1.59	1.66	
	113823-VIF	G1	1.68	1.74	
	113819-VIF	A1	1.76	2.26	
1011					

If there are any questions please let me know.

Best regards,
Frank

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<ftp://ftp.astmtmc.cmu.edu/docs/gas/GF6matrix/StatusReports/VIF/20160210VIFMatrixTestStatus.pdf>