

VIE/VID Equivalency Matrix

7/20/2017

Seventeen of the 18 Phase 1 VIE tests have been reported to the TMC.

All reported data is posted at:

<http://www.astmtmc.cmu.edu/ftp/refdata/gas/VIE/data/ltms.csv>

The field COM3 will identify the test as a matrix test with a value of “VID/VIE=”.

If there are any questions please let me know.

Best regards,
Frank

Frank Farber

<http://www.astmtmc.cmu.edu/ftp/docs/gas/GF6matrix/StatusReports/VIE/20170720VIDVIEMatrixTestStatus.pdf>

Lab	IAR			SwRI		
Stand	G1	G5	G7	A10	A11	A9
Phase 1	Pass on any VIE Reference Oil	Pass on any VIE Reference Oil	Pass on any VIE Reference Oil	Pass on any VIE Reference Oil	Pass on any VIE Reference Oil	Pass on any VIE Reference Oil
	0W-20A 126998-VIE	5W-30B 127002-VIE	10W-30C 127006-VIE	5W-20C 127009-VIE	5W-30A 127010-VIE	10W-30B 127014-VIE
	5W-20B 126999-VIE	5W-30C 127003-VIE	10W-30A 127004-VIE	0W-20A 127007-VIE	5W-30B 127011-VIE	10W-30C 127015-VIE
	5W-20C 12700-VIE	5W-30A 127001-VIE	10W-30B 127005-VIE	5W-20B 127008-VIE	5W-30C 127012-VIE	10W-30A 127013-VIE
Phase 2*	Pass on any VIE Reference Oil			Pass on any VIE Reference Oil		
	Lowest Average 5W-30			Lowest Average 0W-20		
	Lowest Average 10W-30			Lowest Average 5W-30		
	Lowest Average 0W-20			Lowest Average 10W-30		

* The Phase 2 stand at each lab can be either #1, #2 or #3, but all oils shall be run in the same stand.

Test Reported

Invalid

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IND	Testkey	Lab/Stand	Stand/Engine SA Adjusted			Oil Cons., ml	Engine Hours	Comment
			FEI1	FEI2	FEISUM			
0W-20A	126998-VIE	G1	1.83	1.81	3.64	700	760	
	127007-VIE	A10	1.81	1.77	3.58	800	763	
5W-30	127001-VIE	G5	1.32	1.10	2.42	1600	751	
5W-20B	126999-VIE	G1	2.13	1.77	3.90	600	562	
	127008-VIE	A10	2.33	1.63	3.96	966	400	
5W-20C	127000-VIE	G1	1.75	2.01	3.76	1000	962	
	127009-VIE	A10	1.50	1.57	3.07	700	563	
5W-30A	127010-VIE	A11	1.47	1.21	2.68	600	598	
5W-30B	127002-VIE	G5	2.28	1.68	3.96	900	554	
	127011-VIE	A11	2.28	1.44	3.72	600	799	
5W-30C	127003-VIE	G5	1.40	1.25	2.65	1400	969	
	127012-VIE	A11	2.01	1.21	3.22	600	1021	
10W-30A	127004-VIE	G7	1.21	1.03	2.24	1100	762	
10W-30B	127005-VIE	G7	1.80	1.27	3.07	1000	564	
	127014-VIE	A9	2.21	1.21	3.42	1000	575	
10W-30C	127006-VIE	G7	1.39	1.19	2.58	1200	965	
	127015-VIE	A9	1.77	1.33	3.10	800	755	