

VIE Precision Matrix

29 test results have been reported.

All reported data is posted at: <ftp://ftp.astmtmc.cmu.edu/refdata/gas/VIE/data/ltms.csv>

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

Step	Run Order	A 1	A 2	G 1	G 2	B	D	C	F	Engine Hrs
	SOT Engine Hours	150	150	150	150	150	150	150	150	
1	1	544 113244-VIE	1010-1 110587-VIE	542-2 105705-VIE	544 113224-VIE	542-2 110003-VIE	542-2 110588-VIE	544 113298-VIE	1010-1 113223-VIE	350
	2	544 113247-VIE	1010-1 110725-VIE	1010-1 113235-VIE	542-2 105704-VIE	544 113258-VIE	542-2 113293-VIE	1010-1 113300-VIE	544 113220-VIE	550
	3	542-2	542-2 111176-VIE	1010-1 113236-VIE	1010-1 108989-VIE	1010-1 110595-VIE	544 113292-VIE	542-2 113299-VIE	544 113221-VIE	750
	4	1010-1	544 113243-VIE	544 113225-VIE	1010-1 113234-VIE	544 113259-VIE	1010-1 110589-VIE	542-2	542-2 113222-VIE	950
2	5		544 113245-VIE		542-2 113229-VIE	544 113260-VIE				1150
	6		1010-1		542-2 113230-VIE	542-2 110004-VIE				1350
	7		544		544	542-2				1550
	8		542-2		544	1010-1				1750
	9		542-2		1010-1	1010-1				1950
	10		1010-1		544	542-2				2150
	11		1010-1		542-2					2350
	EOT Engine Hours	950	2350	950	2350	2150	950	950	950	Total Runs
	Runs/Engine	4	11	4	11	10	4	4	4	52

Test Reported

Invalid

Estimated matrix completion: Week of March 14, 2016

VIE Precision Matrix

IND	Testkey	Lab/Stand	FEI1	FEI2	FEISUM	Total Oil Consumption, ml	Comment
542-2	110588-VIE	D2	2.77	1.70	4.47	400	
	110003-VIE	B1	3.00	1.86	4.86	600	
	113293-VIE	D2	2.53	1.74	4.27	400	
	105704-VIE	G2	2.93	2.16	5.09	800	
	105705-VIE	G1	2.34	1.70	4.04	700	
	111176-VIE	A2	2.46	1.48	3.94	600	
	113222-VIE	F2	2.72	1.99	4.71	700	
	113229-VIE	G2	2.30	1.73	4.03	1000	
544	113224-VIE	G2	1.36	1.83	3.19	600	
	113221-VIE	F2	1.04	1.64	2.68	700	
	113292-VIE	D2	1.48	1.24	2.72	800	
	113220-VIE	F2	0.84	1.51	2.35	650	
	113258-VIE	B1	1.48	1.64	3.12	1000	
	113298-VIE	C2	2.14	2.08	4.22	700	
	113259-VIE	B1	1.04	1.38	2.42	800	
	113243-VIE	A2	1.24	1.11	2.35	700	
	113225-VIE	G1	1.10	1.04	2.14	1600	
	113244-VIE	A1	1.07	0.49	1.56	1000	
	113260-VIE	B1	0.89	1.02	1.91	1000	
1010-1	110587-VIE	A2	1.60	1.74	3.34	600	
	113223-VIE	F2	2.12	2.14	4.26	500	
	108989-VIE	G2	1.95	2.12	4.07	1000	
	110725-VIE	A2	1.84	1.59	3.43	700	
	110595-VIE	B1	1.77	1.99	3.76	1000	
	113234-VIE	G2	1.71	2.00	3.71	1100	
	110589-VIE	D2	1.83	1.68	3.51	900	
	113235-VIE	G1	1.67	1.51	3.18	1100	
	113236-VIE	G1	1.59	1.49	3.08	1700	
	113300-VIE	C2	2.18	1.82	4.00	1100	

Guidelines on Running the PM

1. If engine fails before the matrix finishes, move remaining tests to another matrix engine.
2. After all labs run the Step 1 tests, reassess engine “health” at the labs to determine the engines that will run additional tests to reach higher engine hours.

If there are any questions please let me know.

Best regards,
Frank

Frank Farber

GF-6 Matrix Project Supervisor

<ftp://ftp.astmtmc.cmu.edu/docs/gas/GF6matrix/StatusReports/VIE/20160125VIEMatrixTestStatus.pdf>