

VIE Precision Matrix

The VIE precision matrix has been started at all labs; seven test results have been reported.

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

The field COM4 will identify the test as a precision matrix test with a value of "MATRIX".

Step	Run Order	SW 1	SW 2	IAR1	IAR2	LZ	Afton	Ashland	XOM	Engine Hrs
	SOT Engine Hours	150	150	150	150	150	150	150	150	
1	1	544 110725-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	1010-1	1010-1	542-2 105704-VIE	544 113258-VIE	542-2 113293-VIE	1010-1	544 113220-VIE	550
	3	542-2	542-2	1010-1	1010-1 108989-VIE	1010-1 110595-VIE	544 113292-VIE	542-2	544	750
	4	1010-1	544	544	1010-1	544	1010-1	542-2	542-2	950
2	5		544		542-2	544				1150
	6		1010-1		542-2	542-2				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

Estimated matrix completion: Week of February 22, 2016

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IND	Testkey	Lab/Stand	FEI1	FEI2	Comment
542-2	110588-VIE	D2	2.77	1.70	
	110003-VIE	B1	3.00	1.86	
	113293-VIE	D2	2.53	1.74	
	105704-VIE	G2	2.93	2.16	
544	113224-VIE	G2	1.36	1.83	
1010-1	110587-VIE	A2	2.93	2.16	
	113223-VIE	F2	2.12	2.14	

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

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<ftp://ftp.astmtmc.cmu.edu/docs/gas/GF6matrix/StatusReports/VIE/20151203VIEMatrixTestStatus.pdf>