

VH Precision Matrix Status

Twenty-two of the 24 tests have been reported to the TMC. The data is posted at:

<ftp://ftp.astmtmc.cmu.edu/refdata/gas/VH/data/ltms.csv>

The Task Force recommends to stop testing at Lab E because of operational issues. Once all reported matrix tests are reviewed for operational validity the task force recommends that data analysis be started by the statisticians.

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

Oils: 940 (5W-30), 1009 (5W-30), 1011(0W-16)

Test length ~9 days

Estimated matrix completion: See above.

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/VH/20170510VHMatrixTestStatus.pdf>

VH Precision Matrix Status

	Lab Stand	D1	E1	G1	G2	A1	A2
Run Order	1	1011✓ 119162-VH	1009✓ 100682-VH	940✓ 119150-VH	940✓ 119151-VH	1009 117777-VH	1011✓ 122929-VH
	2	1011✓ 121400-VH	940 120502-VH	940✓ 123887-VH	1011✓ 122926-VH	1009 119143-VH	1009 119141-VH
			940 122931-VH				
	3	940 121398-VH	1011 120503-VH	1009✓ 118693-VH	1009✓ 118692-VH	1011 119147-VH	940 108997-VH
4	1009 119160-VH	1011	1011 122927-VH	1009 119155-VH	940 118698-VH	940 108998-VH	

✓ Indicates operation task force has reviewed operational data and found the test to be operationally valid.

Reported	Invalid
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VH Precision Matrix Status

Matrix Results

Oil	TestKey	Lab/Stand	AES(merits)	RAC (merits)	AEVB(merits)	APV(merits)	OSCR(%)	# Hot Stuck Rings	Comment
940	119150-VH	G1	5.88	7.06	9.24	8.32	98	0	
	119151-VH	G2	6.55	7.78	9.30	8.50	45	0	
	123887-VH	G1	6.88	8.02	9.35	8.55	50	0	
	121398-VH	D1	6.87	7.70	8.87	7.77	89	0	
	120502-VH	E1	8.39	9.12	8.45	8.40	28	0	Negative RAC Coolant QI
	108997-VH	A2	7.16	8.54	8.76	7.52	80	0	
	122931-VH	E1	8.68	8.80	9.02	9.41	20	0	Low Fuel Dilution
	118698-VH	A1	6.13	7.86	8.95	8.00	95	0	
1009	118692-VH	G2	7.22	8.96	9.34	8.86	70	0	
	118693-VH	G1	7.42	9.00	9.43	9.16	85	0	
	100682-VH	E1	6.56	8.47	9.29	8.88	74	0	116 hours of downtime
	119155-VH	G2	7.46	9.08	9.17	8.82	15	0	
	119141-VH	A2	7.10	9.41	8.98	8.04	65	0	
	117777-VH	A1	8.06	9.30	8.45	7.94	4	0	
	119143-VH	A1	6.95	8.63	8.98	7.95	70	0	
	119160-VH	D1	7.07	9.00	8.13	6.40	67	0	
1011	119162-VH	D1	7.87	9.42	9.49	8.99	18	0	
	122926-VH	G2	8.71	9.48	9.22	8.04	1	0	
	121400-VH	D1	8.69	9.28	9.23	8.79	15	0	
	122929-VH	A2	8.97	9.58	9.58	9.05	5	0	
	122927-VH	G1	8.45	9.46	9.62	9.37	1	0	
	119147-VH	A1	7.47	9.48	9.35	8.76	18	0	
	120503-VH	E1	8.94	9.28	9.05	9.20	1	0	