

## GF-6 IIIH Matrix Test Status September 28, 2015

Labs B, D and G have completed matrix testing. Labs A and E are still running tests. All data is posted at:  
<ftp://ftp.astmtmc.cmu.edu/refdata/gas/IIIH/data/ltms.csv>

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

Lab E has reported back to the IIIH Task Force with their 20 hour operational shakedown run data. Lab E feels the problems with their operational control have been corrected. Based on the data provided the IIIH Task Force felt the lab could continue their testing with tests 3 and 4 and then rerun their invalid first run on 438-1. Lab E will be preparing a presentation to the Surveillance Panel in regard to the operational validity of their second test. Most recently reported tests from other labs still need to be reviewed by the task force for operational validity. The task force will prepare a presentation to the Surveillance Panel for final review at the conclusion of the matrix.

Estimated Matrix Completion:

90 hour test (4 days) + 4-5 day test turn around until reported ~ 8 days/test.

Earliest Start of 3<sup>rd</sup> run test @ Lab E =9/15/2015

Estimated matrix completion and reporting=9/15/2015 + 2\*8 days = ~Week of October 5th

### IIH Matrix Test Status

	Lab-Stand	D-1	E-1	B-1	G-1	G-2	A-1	A-2
Run Order	1	434-2 106788-IIH	438-1 106784-IIH Low MAP and Fuel Flow	438-1 106796-IIH Oil Leak 438-1 106797-IIH	436 106763-IIH	436 106764-IIH	438-1 106774-IIH	434-2 106778-IIH
	2	434-2 106789-IIH Loss of Oil Pressure	436 106782-IIH	436 106792-IIH	438-1 106767-IIH	434-2 107873-IIH	438-1 107869-IIH	438-1 107870-IIH
		434-2 106789A-IIH						
	3	436 106786-IIH	434-2 106781-IIH	436 106793-IIH	438-1 106768-IIH	434-2 110227-IIH	434-2 106779-IIH	436 106775-IIH
4	438-1 106791-IIH	434-2	434-2 106795-IIH	434-2 110228-IIH	438-1 107872-IIH	436 106777-IIH	436 106776-IIH	

Test Reported

Invalid

## Reported Test Results

Oil	TestKey	Lab	Stand	EOT Vis Increase (%)	WPD (merits)	Phos. Retention (%)	MRV	Comment
434-2	106778-IIIH	A	2	137.5	3.98	78.47	81300	
	106788-IIIH	D	1	13.6	4.73	79.83	14600	
	107873-IIIH	G	2	166.6	4.10	79.94	102200	
	106789A-IIIH	D	1	59.4	5.60	78.85	36000	
	106795-IIIH	B	1	99.8	3.93	81.34	136000	
	110227-IIIH	G	2	180.9	3.35	81.28	121000	
	106779-IIIH	A	1	104.9	3.66	78.39	60900	
	110228-IIIH	G	1	129.6	4.28	81.22	81800	
436	106763-IIIH	G	1	19.5	4.45	94.73	13100	
	106764-IIIH	G	2	26.9	3.99	95.62	14800	
	106782-IIIH	E	1	19.5	4.25	N/A	N/A	
	106792-IIIH	B	1	22.4	4.77	99.44	15500	
	106793-IIIH	B	1	31.3	4.96	98.06	20000	
	106786-IIIH	D	1	27.8	4.72	95.30	18600	
	106775-IIIH	A	2	38	4.62	91.51	22500	
438-1	106774-IIIH	A	1	265.1	3.34	79.22	84900	
	106784-IIIH	E	1	34.5	3.72	78.54	22600	Invalid
	106797-IIIH	B	1	24.6	3.32	76.52	19700	
	106767-IIIH	G	1	31.2	3.33	81.30	18900	
	107869-IIIH	A	1	209.0	3.10	77.36	70600	
	107870-IIIH	A	2	31.3	3.42	78.49	13200	
	106768-IIIH	G	1	29.4	3.46	80.85	20500	
	107872-IIIH	G	2	130.9	4.50	79.40	36400	
106791-IIIH	D	1	25.4	3.59	79.22	9800		



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/20150928MatrixTestStatus.pdf>