

IIIH/IIIF Correlation Matrix Test Status August 14, 2017

Intertek has reported two runs on Batch 4 pistons to add to the two previous runs on Batch 3 pistons.
The data is posted at <http://www.astmtmc.cmu.edu/ftp/refdata/gas/IIIH/data/ltms.csv>

The field COM3 will identify the test with a value of "IIIF/III".

IIIH/IIIF Correlation Matrix Test Status

Run Order	Calibrated IIH Stands	
	Intertek	Southwest
1	433-2 1220225-IIH	433-2 125280-IIH
2	1006-2 120224-IIH	1006-2 120222-IIH
Additional Runs	433-2 125220-IIH	
	1006-2 128871-IIH	

Test Reported

Invalid

Testkey	Lab/ Stand	Date Completed	Oil	Viscosity Increase (%)					WPD (merits)	Average Piston Skirt Varnish (merits)	Phos. Retention (%)	MRV	Piston Batch	Comment
				20	40	60	80	EOT						
120225-IIIH	G2	20160923	433-2	-0.38	6.22	11.36	34.24	72.2	3.79	9.44	79.35	95,800 @-30°C	3	
125280-IIIH	A1	20170520	433-2	-0.48	4.06	9.68	16.18	26.6	4.42	9.73	78.09	36,700 @-30°C	4	FCA Supplied Engine
125220-IIIH	G2	20170728	433-2	-3.04	1.34	6.56	14.71	41.81	4.14	9.72	80.76	47200 @-30°C	4	FCA Supplied Engine
120224-IIIH	G2	20160928	1006-2	12.76	40.00	180.51	N/A	952.3	2.01	7.31	75.33	N/A	3	Terminated @ 79 hrs. - because of loss of oil temp. control due to oil thickening and high oil consumption
120222-IIIH	A1	20160529	1006-2	8.48	29.94	60.79	402.3	1419.3	2.37	8.08	74.92	Not Measured	4	FCA Supplied Engine
128871-IIIH	G2	20170804	1006-2	9.44	33.95	76.21	606.76	1730.76	1.90	6.9	77.1	>400000@-30°C	4	FCA Supplied Engine

Lab severity adjustments have not been applied to above data.

Typical Performance In Sequence IIIF													
	Oil	Viscosity Increase (%)					WPD (merits)	Average Piston Skirt Varnish (merits)	Phos. Retention (%)	MRV			
		20	40	60	80	EOT							
Average of operationally valid reference data	433-2	22.67	39.38	46.00	71.05	71.05	4.61	9.79	N/A	54953			
	1006-2	65.27	145.5	280.0	1171	1171	3.89	9.46	N/A	29470			

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ftp://ftp.astmtmc.cmu.edu/docs/gas/GF6matrix/StatusReports/IIIH/20170814IIIH_IIIFMatrixTestStatus.pdf

