Sequence IVB

Nine of the 20 tests have been reported to the TMC. The data is posted at:
ftp://ftp.astmtmc.cmu.edu/refdata/gas/IVB/data/ltms.csv

The task force is noting some operational differences between the labs. Oil consumption, MAP, RAC and engine coolant flow differences have been noted and are under investigation. The fuel batch concerns are also being reviewed. No additional tests will start until the panel has a call May 8 or 9 to discuss work to resolve oil consumption differences.

The field COM4 will identify the test as a precision matrix test with a value of "MATRIX".
Oils: 300 (5W-30), 1011 (0W-16), 1012(5W-20)

Test length: 200 h /~9 days

Estimated matrix completion: June 1, 2017

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/IVB/20170501IVBMatrixTestStatus.pdf

Run Order	B1	B2	A1	A2
1	300 123246-IVB	1012 125167-IVB	300 123243-IVB	1011 109199-IVB
2	1011 109203-IVB	1011 109204-IVB Terminated 157 hrs. 1011 125878-IVB	1012 125175-IVB	1011 109200-IVB
3	1011 120737-IVB	300 125171-IVB	1012 125177-IVB	1012 125176-IVB
4	1012 125168-IVB	300	1011	300
5	300	1012	1011	300

Reported	Invalid

TMC Oil	TestKey	Lab/Stand	Average Lifter Volume Loss by Keyence*, mm^3		Camshaft Lobe Failure	Fuel Dilution @EOT, %	Used Oil FE@EOT, mg/kg	EOT Oil Con., g	Engine Hours	EOT Water by KF, mg/kg	Comment
			Intake	Exhaust							
300	123243-IVB	A1	2.55	1.10	N	9.4	442	64	302	2718	
	123246-IVB	B1	2.62	1.28	N	11.4	427	712	304	2156	
1011	109204-IVB	B2	1.60		Y	9.4	458		1727	1824	Terminated @ 157 h Excessive Oil Consumption
	109199-IVB	A2	1.73	0.76	N	8.6	316	140	502	1671	
	109203-IVB	B1	2.08	1.57	N	11.7	410	393	506	1995	
	109200-IVB	A2	1.64	0.42	N	8.2	205	-12	502	803	
	120737-IVB	B1	2.4	1.16	N	10.8	418	446	708	2211	
	125878-IVB	B2	2.62	1.01	N	10.8	348	467	254	1538	
1012	125167-IVB	B2	2.18	0.68	N	8.4	380	710	1565	2204	
	125175-IVB	A1	1.76	0.90	N	8.6	333	400	50	2410	

*w/o talc