

GMOD Matrix Test Status

February 23, 2016

All the GMOD precision matrix oil tests have been completed and reported. Three tests still need to have MRV results reported. All tests have been approved for operational validity.

All reported data can be retrieved at: <https://dexostrc.org/Reference/LiveReference/QueryTestData>

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

Test Length is 100 hours, ~ 5 days/test

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GMOD Matrix Test Status

	Lab-Stand	IAR Stand 1 G-1	IAR Stand 2 G-2	SWRI Stand 1 A-1	SWRI Stand 2 A-2	Afton D-1	ExxonMobil F-1	Lubrizol B-1
Run Order	1	GMOD01-1✓ 112909-GMOD	434-2✓ 108822-GMOD	GMOD02-1✓ 112925-GMOD	434-2✓ 107864-GMOD	GMOD02-1✓ 112934-GMOD	434-2✓ 112941-GMOD	GMOD02-1✓ 112939-GMOD
	2	434-2 ✓ 112905-GMOD	GMOD02-1 112913-GMOD Aborted Oil Loss	GMOD01-1 112921-GMOD ✓	GMOD02-1 112926-GMOD ✓	434-2 112929-GMOD ✓	GMOD01-1 112943-GMOD ✓	GMOD01-1 112937-GMOD Erratic timing
			GMOD02-1 ✓ 112914-GMOD					GMOD01-1 112938-GMOD Exhaust Leak
								GMOD01-1 ✓ 114025-GMOD
	3	GMOD02-1 112916-GMOD 2 nd Ring Land Damage	GMOD01-1 112910-GMOD ✓	434-2 112917-GMOD ✓	GMOD01-1 112922-GMOD ✓	GMOD01-1 112931-GMOD ✓	GMOD02-1 112945-GMOD	434-2✓ 112935-GMOD
		GMOD01-1* 112911-GMOD✓						
	4	GMOD02-1*✓ 112915-GMOD	GMOD01-1✓ 112912-GMOD	434-2✓ 108827-GMOD	GMOD02-1 112927-GMOD Coolant Leak	GMOD01-1✓ 112932-GMOD	434-2✓ 112942-GMOD	GMOD01-1✓ 114382-GMOD
					GMDOD02-1✓ 114387-GMOD			
	5	434-2✓ 112907-GMOD	GMOD02-1✓ 114272-GMOD	GMOD02-1✓ 112928-GMOD	434-2✓ 112918-GMOD	GMOD02-1 112933-GMOD Aborted	GMOD01-1✓ 112944-GMOD	434-2✓ 112936-GMOD
						GMOD02-1✓ 114579-GMOD		
	6	GMOD02-1 114273-GMOD Oil Pump Failure	434-2 112906-GMOD Downtime	GMOD01-1✓ 112923-GMOD	GMOD01-1 112924-GMOD Oil Temp. Control	434-2✓ 112930-GMOD	GMOD02-1✓ 112946-GMOD	GMOD02-1✓ 112940-GMOD
		GMOD02-1✓ 114384-GMOD	434-2✓ 112971-GMOD		GMOD01-1✓ 114386-GMOD			

✓ Indicates GM and TMC has reviewed operational data and found the test to be operationally valid.

* Run Order Changed

Test Reported

Invalid

Oil	TestKey	Lab	Stand	EOT Vis Increase (%)	WPD (merits)	Phos. Retention (%)	MRV (cP)	Comment
434-2	108822-GMOD	G	2	56.7	7.04	74.37	25700@-30°C	
	107864-GMOD	A	2	95.1	6.70	71.03	46300@-30°C	
	112941-GMOD	F	1	73.1	7.35	75.19	32500@-30°C	
	112905-GMOD	G	1	89.5	6.96	75.13	43400@-30°C	
	112929-GMOD	D	1	84.8	7.42	75.12	34700@-30°C	
	112917-GMOD	A	1	148.9	6.88	73.26	88100@-30°C	
	108827-GMOD	A	1	82.9	7.43	68.85	34700@-30°C	
	112907-GMOD	G	1	82.2	6.76	75.15	39800@-30°C	
	112942-GMOD	F	1	40.1	7.54	74.53	25200@-30°C	
	112935-GMOD	B	1	105.7	5.97	74.13	115000@-35°C	
	112971-GMOD	G	2	64.0	7.46	75.60	30200@-30°C	
	112918-GMOD	A	2	72.8	6.36	74.16	35000@-30°C	
	112936-GMOD	B	1	116.4	6.80	73.02	139000@-35°C	
	112930-GMOD	D	1	114.3	7.27	N/A	N/A	
GMOD01-1	112909-GMOD	G	1	78.5	5.98	81.82	22800@-30°C	
	112921-GMOD	A	1	76.8	6.84	79.94	19500@-30°C	
	112943-GMOD	F	1	76.8	6.74	81.56	24800@-35°C	
	112922-GMOD	A	2	67.6	7.07	78.24	17600@-30°C	
	112910-GMOD	G	2	58.1	6.95	83.35	16400@-30°C	
	112937-GMOD	B	1	87.4	6.78	84.7	NM	Invalid-Erratic Timing
	112912-GMOD	G	2	65.8	5.76	85.61	17900@-30°C	
	112938-GMOD	B	1	73.5	6.30	79.31	N/A	Exhaust leak
	112911-GMOD	G	1	76.8	6.38	84.10	22700@-30°C	
	112931-GMOD	D	1	79.8	7.22	81.48	20400@-30°C	
	112932-GMOD	D	1	95.2	7.11	82.19	25700@-30°C	
	114025-GMOD	B	1	67.0	6.76	85.44	45500@-35°C	
	112923-GMOD	A	1	102.0	6.07	77.60	28500@-30°C	
	114382-GMOD	B	1	91.0	7.22	76.38	NM, YS >35	
GMOD02-1	112944-GMOD	F	1	54.8	6.64	87.05	19100@-30°C	
	114386-GMOD	A	2	77.7	6.23	81.22	13800@-30°C	
	112925-GMOD	A	1	73.8	5.79	77.08	14400@-30°C	
	112934-GMOD	D	1	52.9	7.04	83.08	13600@-30°C	
	112939-GMOD	B	1	55.8	6.19	79.75	NM, YS >35	
	112926-GMOD	A	2	45.4	6.61	80.18	50200@-35°C	
	112914-GMOD	G	2	58.2	5.62	82.98	43700@-35°C	
	112916-GMOD	G	1	79.1	6.32	83.18	59200@-35°C	Invalid- 2 nd Ring Land Damage
	112945-GMOD	F	1	33.4	6.25	84.83	32500@-35°C	
	112915-GMOD	G	1	74.3	5.76	85.31	64800@-35°C	
	114272-GMOD	G	2	38.8	5.60	84.20	39900@-35°C	
	112928-GMOD	A	1	62.2	5.89	79.67	N/A	
	114387-GMOD	A	2	43.8	6.63	80.01	16200@-35°C	
	114384-GMOD	G	1	67.1	6.40	82.64	54000@-35°C	
	114579-GMOD	D	1	65.0	6.80	82.17	17200@-30°C	
	112940-GMOD	B	1	174.6	5.22	89.85	186000@-35°C	
	112946-GMOD	F	1	42.6	6.80	88.13	N/A	

If there are any questions please let me know.

Best regards,
Frank

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<ftp://ftp.dexostrc.org/reference/docs/GMOD/MatrixStatusReports/20160223GMODMatrixTestStatus.pdf>