

GMOD Matrix Test Status February 25, 2016

All the GMOD precision matrix oil tests have been completed and reported. All tests have been approved for operational validity. This is the last GMOD matrix report.

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
434-2(5W-30)
GMOD01-1 (5W-20)
GMOD02-1 (0W-16)

If there are any questions please let me know.

Best regards,
Frank

Frank Farber

<ftp://ftp.dexostrc.org/reference/docs/GMOD/MatrixStatusReports/20160225GMODMatrixTestStatus.pdf>

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
			GMOD01-1 ✓ 112914-GMOD					GMOD01-1 112938-GMOD Exhaust Leak
	3	GMOD02-1 112916-GMOD 2 nd Ring Land Damage GMOD01-1* 112911-GMOD✓	GMOD01-1 112910-GMOD ✓	434-2 112917-GMOD ✓	GMOD01-1 112922-GMOD ✓	GMOD01-1 112931-GMOD ✓	GMOD02-1 112945-GMOD	434-2✓ 112935-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	73.79	47000@-30°C	
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-Eratic 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	
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		
GMOD02-1	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	10600@-30°C	
	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	29600@-35°C		