



# OIL REPORT

LAB NUMBER: F60388

UNIT ID: 251 VETTE

REPORT DATE: 6/21/2013

CLIENT ID: 63589

CODE: 20/501

PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: GM LS-2 6.0L V-8	OIL TYPE & GRADE: Mobil 1 Racing 0W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 670 Miles
	ADDITIONAL INFO: Supercharged	

<b>CLIENT</b>	CHRIS FAIRCLOTH	PHONE: (860) 916-4935
	26 GRAND AVE	FAX:
	VERNON, CT 06066	ALT PHONE:
		EMAIL: monte1987@msn.com

**COMMENTS** CHRIS: Since you used race fuel, it's a little harder to get a good look at bearing wear in this second sample from your LS-2. The leaded fuel masks lead, but we can see some increased wear at the bearings or brass/bronze parts through copper. Although copper increased, it's not high enough to consider a problem level. Iron came up too, showing more wear at steel parts. Maybe it's wear at a bearing/shaft interface, but it's hard to be certain. The viscosity was slightly thin, but it wasn't caused by fuel contamination. The TBN read strong at 5.8. Try 1,000 miles next.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	670	UNIT / LOCATION AVERAGES	235					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	48,000		48,757					
	Sample Date	06/15/13		05/02/13					
	Make Up Oil Added	0 qts		0 qts					
ALUMINUM	1	1	1					5	
CHROMIUM	4	4	4					1	
IRON	59	64	68					27	
COPPER	72	49	25					75	
LEAD	423	231	39					7	
TIN	0	0	0					1	
MOLYBDENUM	1134	1150	1166					85	
NICKEL	1	1	1					1	
MANGANESE	1	1	1					5	
SILVER	0	0	0					0	
TITANIUM	0	0	0					0	
POTASSIUM	0	2	3					3	
BORON	103	99	94					60	
SILICON	19	18	17					13	
SODIUM	6	8	9					18	
CALCIUM	1330	1927	2524					2383	
MAGNESIUM	622	376	130					187	
PHOSPHORUS	1632	1648	1664					721	
ZINC	1845	1831	1816					871	
BARIUM	0	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	57.8	58-65	62.8				
	cSt Viscosity @ 100°C	9.60	9.6-11.9	11.01				
	Flashpoint in °F	410	>385	405				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.3	<0.6	0.2				
	TBN	5.8	>1.0	7.5				
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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