



OIL REPORT

LAB NUMBER: H99180

UNIT ID: 16 LT1

REPORT DATE: 12/16/2016

CLIENT ID: 102144

CODE: 63/32

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: GM LT-1 6.2L V-8	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 823 Miles
	ADDITIONAL INFO: Camaro	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	TOM: Iron, copper, and silicon are lower here, partly due to the shorter run, and partly due to the wear-in stuff starting to wash out. Iron is still high on a per mile basis, but some of this simply residual from last time since this oil only saw 823 miles. You should still see improvements next time, even if you run longer. The oil itself is in fine shape with the viscosity in the 5W/30 range and no fuel or coolant to worry about. Low insolubles and silicon show fine oil and air filtration. Looks like it's on the right track.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	823	UNIT / LOCATION AVERAGES	1,600					UNIVERSAL AVERAGES
	MI/HR on Unit	2,423		1,600					
	Sample Date	11/20/2016		10/22/2016					
	Make Up Oil Added	1 qt							
	ALUMINUM	4	4	4					5
	CHROMIUM	1	1	1					1
	IRON	28	28	40					24
	COPPER	5	5	31					13
	LEAD	2	2	2					1
	TIN	0	0	2					0
	MOLYBDENUM	72	72	67					74
	NICKEL	0	0	0					0
	MANGANESE	1	1	3					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					0
	POTASSIUM	1	1	9					4
	BORON	174	174	158					81
	SILICON	19	19	75					28
	SODIUM	5	5	7					7
	CALCIUM	1969	1969	1821					1349
	MAGNESIUM	19	19	85					557
	PHOSPHORUS	664	664	670					724
	ZINC	812	812	724					851
	BARIUM	0	0	0					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	58.7	55-62	57.0				
	cSt Viscosity @ 100°C	9.84	8.8-11.1	9.37				
	Flashpoint in °F	415	>365	410				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.2	<0.6	0.2				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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