



OIL REPORT

LAB NUMBER: G24487
REPORT DATE: 7/29/2014
CODE: 20/501

UNIT ID: 14 SILVERADO
CLIENT ID:
PAYMENT:

UNIT	MAKE/MODEL: GM 5.3L V8 EcoTec3 L83	OIL TYPE & GRADE: Mobil 1 AFE 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,558 Miles
	ADDITIONAL INFO:	

CLIENT	

COMMENTS	This is one of the first few oil changes for your brand new Silverado, so it's not unusual to find some higher wear metals and silicon. The metals are from new parts wearing in and the silicon is from harmless sealers used to assemble the engine. It'll take a few oil changes, but eventually, your samples should look more like universal averages, which show typical wear for this type of GM engine after about 4,600 miles of oil use. The TBN was strong at 5.4 since 1.0 is low, so there was lots of active additive remaining for a longer run. Try up to 9,500 miles on the next oil fill.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,558	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	8,822							
	Sample Date	07/21/14							
	Make Up Oil Added	8.5 qts							
	ALUMINUM	4	4						3
	CHROMIUM	2	2						1
	IRON	27	27						16
	COPPER	108	108						26
	LEAD	0	0						6
	TIN	2	2						1
	MOLYBDENUM	76	76						71
	NICKEL	1	1						1
	MANGANESE	6	6						3
	SILVER	0	0						0
	TITANIUM	0	0						1
	POTASSIUM	4	4						3
	BORON	40	40						50
	SILICON	51	51						12
	SODIUM	6	6						31
	CALCIUM	1221	1221						1923
	MAGNESIUM	712	712						216
	PHOSPHORUS	616	616						733
	ZINC	714	714						854
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	49.2	46-57					
	cSt Viscosity @ 100°C	7.04	6.0-9.7					
	Flashpoint in °F	410	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	TR	<0.6					
	TBN	5.4	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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LIABILITY LIMITED TO COST OF ANALYSIS