



OIL REPORT

LAB NUMBER: J87646 UNIT ID: 17 SILVERADO
 REPORT DATE: 12/29/2017 CLIENT ID: 62543
 CODE: 63/685 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: GM 5.3L V-8 EcoTec3 L83	OIL TYPE & GRADE: Dexos 2 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 8,500 Miles
	ADDITIONAL INFO:	

CLIENT	EDWARD PEICHEL	PHONE: (952) 835-0790
	DIRECTBUY MSP	FAX:
	1622 TIMBER AVE	ALT PHONE:
	CHARLES CITY, IA 550616	EMAIL: pontiaced25@gmail.com

COMMENTS EDWARD: Fuel stands out, testing at 3.8% of the sample. That's enough fuel to possibly show a fuel system issue. There's also evidence of coolant, (see potassium & sodium). We aren't positive about coolant though. Potassium isn't all that high, and sodium might be residual oil additive. But something is causing wear at steel parts (iron). This oil would need to have about 18k miles on it to make the iron level normal. Averages show 23 ppm of iron is typical after ~6,700 miles. Watch for a rising oil level on the dipstick to monitor for a fuel system problem. If all's well, try ~4K miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	47,200						
	Sample Date	12/17/2017						
	Make Up Oil Added	0 qts						
ALUMINUM	7	7					4	
CHROMIUM	2	2					1	
IRON	64	64					23	
COPPER	33	33					44	
LEAD	0	0					0	
TIN	1	1					0	
MOLYBDENUM	2	2					78	
NICKEL	0	0					0	
MANGANESE	21	21					6	
SILVER	0	0					0	
TITANIUM	1	1					0	
POTASSIUM	10	10					2	
BORON	3	3					50	
SILICON	28	28					15	
SODIUM	98	98					29	
CALCIUM	1644	1644					1582	
MAGNESIUM	19	19					380	
PHOSPHORUS	675	675					643	
ZINC	779	779					747	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	55.2	46-57				
	cSt Viscosity @ 100°C	8.84	6.0-9.7				
	Flashpoint in °F	310	>385				
	Fuel %	3.8	<2.0				
	Antifreeze %	?	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN	2.0	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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