

OIL REPORT

LAB NUMBER:

UNIT ID: 13 EQUINOX

REPORT DATE: 10/15/2018 CLIENT ID:

CODE: 20/32 PAYMENT: CC: MC

UNIT

MAKE/MODEL: GM 2.4L 4-cyl EcoTec FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 5W/30 OIL USE INTERVAL: 4,169 Miles

CLIENT

OMMENTS

No water was found this time, but there is still a lot of fuel dilution in the oil. And you collected the sample after more than 100 miles on continuous driving, which is more than enough to cook off any fuel from start-up or idling. There is still evidence of a fuel system problem in this engine, and fuel has thinned the viscosity below a 0W/20 grade. Wear metals are the lowest of any report so far, so that's good, but the fuel is still a concern. An overfull oil level and poor fuel economy are two symptoms you might notice from excess fuel building up in the oil.

	MI/HR on Oil	4,169	LINUT /	3,391	3,999	5,552	3,120	
	MI/HR on Unit	29,827	UNIT / LOCATION	25,658	22,267	18,268	12,454	UNIVERSAL
	Sample Date	10/1/2018	AVERAGES	3/17/2018	8/19/2017	3/16/2017	4/13/2016	AVERAGES
NO NO	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	
잍								
	ALUMINUM	6	17	13	11	58	19	4
MIL	CHROMIUM	1	2	1	2	3	2	1
	IRON	42	73	60	62	231	63	20
吊	COPPER	1	2	2	3	6	3	2
₫	LEAD	0	0	0	0	0	0	0
S	TIN	0	0	0	1	0	1	0
IΫ́	MOLYBDENUM	62	64	66	69	51	49	68
A R	NICKEL	0	1	0	1	2	1	0
7	MANGANESE	1	2	1	2	4	3	1
	SILVER	0	0	0	0	0	0	0
Z	TITANIUM	0	0	0	0	0	0	2
40	POTASSIUM	1	2	2	2	1	4	2
	BORON	37	43	48	52	43	36	47
品	SILICON	5	7	6	6	11	13	8
ΞM	SODIUM	6	6	6	7	6	4	48
	CALCIUM	810	958	840	1048	1404	750	1763
匝	MAGNESIUM	564	540	570	610	114	532	213
	PHOSPHORUS	586	604	645	665	557	506	664
1	ZINC	629	685	661	767	713	610	 763
	BARIUM	0	0	0	0	0	0	0

Values

Should Be*

	SUS Viscosity @ 210°	44.6	55-63	51.3	51.4	43.5	45.7	
	cSt Viscosity @ 100°C	5.61	8.8-11.3	7.68	7.69	5.27	5.94	
ES	Flashpoint in °F	285	>375	275	300	270	245	
Ħ	Fuel %	4.5	<2.0	4.5	4.3	5.8	7.0	
H	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	
4	Water %	0.0	0.0	POS	0.0	0.0	0.0	
0	Insolubles %	0.2	<0.6	0.3	0.2	0.4	0.4	
쯥	TBN							
	TAN							
	ISO Code			·				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE