



OIL REPORT

LAB NUMBER:
REPORT DATE: 6/20/2018
CODE: 20/32

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT	EQUIP. MAKE/MODEL: GM LT-4 6.2L V-8	OIL TYPE & GRADE: Valvoline SynPower MST 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,298 Miles
	ADDITIONAL INFO: 2018 Camaro ZL1, sees track use	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	It sounds like you're already having a lot of fun in this new Camaro, and the track time hasn't caused any poor wear in the engine. Metals match up well beside universal averages, which show typical wear for the LT4 engine after about 2,700 miles. The viscosity is still in spec and insolubles are low, so the oil wasn't exposed to excess heat long enough to make it thicken or heavily oxidize. Low insolubles also show your Fram filter was working well. There's only a trace of fuel dilution present, which is nothing to worry about. This engine looks good to us at 3,222 mi!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,298	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	3,222							
	Sample Date	6/1/2018							
	Make Up Oil Added	1 qt							
	ALUMINUM	8	8						6
	CHROMIUM	0	0						1
	IRON	13	13						21
	COPPER	7	7						7
	LEAD	0	0						3
	TIN	1	1						1
	MOLYBDENUM	9	9						92
	NICKEL	0	0						0
	MANGANESE	0	0						2
	SILVER	0	0						0
	TITANIUM	1	1						1
	POTASSIUM	4	4						2
	BORON	10	10						78
	SILICON	14	14						24
	SODIUM	8	8						5
	CALCIUM	1778	1778						1405
	MAGNESIUM	79	79						543
	PHOSPHORUS	737	737						779
	ZINC	767	767						888
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	70.3	65-78					
	cSt Viscosity @ 100°C	13.02	11.6-15.3					
	Flashpoint in °F	385	>385					
	Fuel %	TR	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.1	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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