



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!

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						
ALUMINIUM	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

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com