



OIL REPORT

LAB NUMBER: J62947
 REPORT DATE: 9/20/2017
 CODE: 63/32

UNIT ID: 12 CORVETTE
 CLIENT ID: 114377
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: GM LS-7 7.0L V-8	OIL TYPE & GRADE: Mobil 1 0W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,400 Miles
	ADDITIONAL INFO:	

CLIENT	LAURENT SERRA	PHONE: (336) 165-84320
	8 AVENUE DE FONTVIEILLE	FAX:
	MONACO, 98000	ALT PHONE:
	FRANCE	EMAIL: lorenzoserra@gmail.com

COMMENTS LAURENT: Titanium is present at 12 ppm. It could show excess wear at the intake valves, but with how young this engine is, there's a chance that a lot of the metal and silicon in this sample is just residual from the initial wear-in process. If so, we should see some nice improvements in the coming reports as that material washes out. Soon, things should look more like universal averages, which are based on about 3,000 miles of oil use. Physically, the oil was fine, but change this oil to help wash this material out. Check back to monitor wear-in progress and to build wear trends.

ELEMENTS IN PARTS PER MILLION			UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Oil							
	MI/HR on Oil	1,400						
	MI/HR on Unit	2,225						
	Sample Date	8/15/2017						
	Make Up Oil Added	0.2 qts						
	ALUMINUM	11						4
	CHROMIUM	1						1
	IRON	47						32
	COPPER	9						5
	LEAD	1						7
	TIN	1						1
	MOLYBDENUM	86						107
	NICKEL	0						1
	MANGANESE	1						2
	SILVER	0						0
	TITANIUM	12						2
	POTASSIUM	6						3
	BORON	200						87
	SILICON	24						10
	SODIUM	9						14
	CALCIUM	1792						1972
	MAGNESIUM	10						359
	PHOSPHORUS	744						788
	ZINC	884						911
	BARIUM	0						0

Values Should Be*

PROPERTIES							
	Actual Value	Target Range					
SUS Viscosity @ 210°F	68.9	63-76					
cSt Viscosity @ 100°C	12.66	11.1-14.8					
Flashpoint in °F	440	>375					
Fuel %	<0.5	<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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