



# OIL REPORT

LAB NUMBER: L03636  
 REPORT DATE: 3/26/2019  
 CODE: 22/75

UNIT ID: 99 GRAND PRIX  
 CLIENT ID:  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: GM 3.8L V-6	OIL TYPE & GRADE: Mobil 1 10W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	
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**COMMENTS** Looks like you've got your work cut out for you with this V-6. Aluminum, chrome, and iron indicate poor piston, ring, and steel wear. Copper, lead, and tin are likely from bearings. What's to blame for the poor wear? Coolant (shown by potassium and sodium), and possibly dirt based on high silicon. If the last owner fixed a leak, then maybe coolant is residual and silicon is a harmless sealer. If not, fixing the coolant leak should be a priority if this car is going to stay on the road. Use 1,000 miles or less, monitor for coolant loss, and listen for unusual noise until repairs. Caution!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,000	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	163,500						
	Sample Date	3/15/2019						
	Make Up Oil Added	1.5 qts						
ALUMINUM	23						3	
CHROMIUM	5						1	
IRON	259						13	
COPPER	81						15	
LEAD	387						6	
TIN	18						1	
MOLYBDENUM	85						66	
NICKEL	3						0	
MANGANESE	8						4	
SILVER	0						0	
TITANIUM	0						1	
POTASSIUM	311						5	
BORON	38						46	
SILICON	64						13	
SODIUM	290						53	
CALCIUM	1360						2032	
MAGNESIUM	695						126	
PHOSPHORUS	825						699	
ZINC	1004						842	
BARIUM	0						0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°	60.5	58-68				
	cSt Viscosity @ 100°C	10.37	9.7-12.7				
Flashpoint in °F	395	>375					
Fuel %	<0.5	<2.0					
Antifreeze %	0.58	0.0					
Water %	0.0	0.0					
Insolubles %	0.4	<0.6					
TBN							
TAN							
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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