



OIL REPORT

LAB NUMBER: L03636

REPORT DATE: 3/26/2019

CODE: 22/75

UNIT ID: 99 GRAND PRIX

CLIENT ID:

PAYMENT: CC: Visa

UNIT	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:	

CLIENT	

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!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	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*

PROPERTIES	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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