



# OIL REPORT

LAB NUMBER: P41834  
 REPORT DATE: 2/18/2022  
 CODE: 20/68

UNIT ID: 66 CHEVELLE  
 CLIENT ID: 196368  
 PAYMENT: CC Online

<b>UNIT</b>	MAKE/MODEL: GM LS-1 5.7L 350 CI V-8	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>		
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**COMMENTS** SCOTT: It looks like this engine is either new or was recently rebuild, so we'll give iron and copper some leeway for the moment. They can potentially reveal extra wear at steel and brass/bronze parts, but they could just reflect wear-in metal that hasn't washed out yet. Let's give them a chance to improve before suspecting extra wear. Similarly, silicon can come from sealers and lube, but check over air filtration in case it's dirt. 1.0% fuel typically comes from normal use. For reference, universal averages for the LS-1 are based on oil run for ~3,900 miles.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	1,000	<b>UNIT / LOCATION AVERAGES</b>						<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	6,000							
	Sample Date	2/1/2022							
	Make Up Oil Added								
	ALUMINUM	6							4
	CHROMIUM	2							1
	IRON	24							15
	COPPER	79							25
	LEAD	11							6
	TIN	3							1
	MOLYBDENUM	95							76
	NICKEL	1							1
	MANGANESE	1							2
	SILVER	0							0
	TITANIUM	2							1
	POTASSIUM	1							1
	BORON	82							70
	SILICON	18							11
	SODIUM	6							18
	CALCIUM	1593							2048
	MAGNESIUM	798							346
	PHOSPHORUS	703							759
	ZINC	843							894
	BARIUM	0							0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	59.3	55-63					
	cSt Viscosity @ 100°C	10.02	8.8-11.3					
	Flashpoint in °F	365	>385					
	Fuel %	1.0	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.2	<0.6					
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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