



OIL REPORT

LAB NUMBER:
 REPORT DATE: 1/17/2024
 CODE: 63/88

UNIT ID: 84 CUTLASS
 CLIENT ID:
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Oldsmobile 307 CID V-8	OIL TYPE & GRADE: Valvoline 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,651 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS We're not surprised to hear the air filtration system is in order, as silicon is low enough to rule out dirt contamination this time. The report also shows significantly less wear metal than the first sample. Chrome (from rings) and tin (an alloying/coating metal) are low enough to lose their bold marks, leaving lead as the only item on our "watch list". It could still show excess bearing wear, but we doubt there's a problem considering how all of the wear metals have decreased. If the engine runs well (and we suspect it does), check back on lead in another 3,500 miles or so.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,651	UNIT / LOCATION AVERAGES	3,000				UNIVERSAL AVERAGES
	MI/HR on Unit	63,776		60,111				
	Sample Date	12/12/2023		8/6/2023				
	Make Up Oil Added	0 qts		0.5 qts				
ALUMINUM	4	6	8					8
CHROMIUM	3	6	8					2
IRON	23	40	56					38
COPPER	7	16	25					13
LEAD	40	70	99					10
TIN	2	3	4					1
MOLYBDENUM	42	41	40					71
NICKEL	0	1	1					0
MANGANESE	1	2	2					1
SILVER	0	0	0					0
TITANIUM	0	0	0					1
POTASSIUM	1	3	4					2
BORON	51	67	82					148
SILICON	13	19	24					10
SODIUM	32	69	106					52
CALCIUM	951	1277	1603					2171
MAGNESIUM	677	438	199					271
PHOSPHORUS	670	688	705					875
ZINC	747	782	817					1015
BARIUM	0	0	0					0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	66.2	65-76	58.7			
	cSt Viscosity @ 100°C	11.94	11.6-14.8	9.86			
	Flashpoint in °F	415	>385	410			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	0.2	<0.6	0.3			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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