



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.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,651	UNIT / LOCATION AVERAGES	3,000				
	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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