OIL REPORT

LAB NUMBER: S057484 **UNIT ID:** 66 CORVETTE
REPORT DATE: 5/15/2024 **CLIENT ID:** 221027
CODE: 80/88 **PAYMENT:** CC Online

UNIT

MAKE/MODEL: Chevy 327 CID V-8
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: PennGrade 1 10W/40
OIL USE INTERVAL: 3,358 Miles

CLIENT

PAUL JENNINGS
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COMMENTS

PAUL: Lead and tin are still reading high. If lead is from the bearings, rather than from use of leaded/racing fuel or an octane booster, this steady reading at least shows that the situation hasn't really worsened since the last sample. But watch for signs of bearing trouble on your end like low oil pressure, engine knock, or poorer fuel economy. Sodium looks more like additive than coolant since potassium (the other coolant marker) is low, but this oil doesn't use sodium. Watch for coolant loss just in case that's causing the high lead/tin. All else looks okay. Check back.

ELEMENTS IN PARTS PER MILLION

			UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Oil	3,358		2,628					
	MI/HR on Unit	43,070							
	Sample Date	4/16/2024		4/16/2023					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	5	5	5					4
	CHROMIUM	2	2	1					1
	IRON	29	28	27					23
	COPPER	2	4	5					7
	LEAD	**62**	62	**61**					18
	TIN	**5**	5	**4**					1
	MOLYBDENUM	74	73	72					80
	NICKEL	0	0	0					0
	MANGANESE	0	0	0					2
	SILVER	0	0	0					0
	TITANIUM	0	0	0					2
	POTASSIUM	1	1	0					2
	BORON	94	110	125					107
	SILICON	24	32	**39**					22
	SODIUM	**124**	145	166					83
	CALCIUM	1410	1403	1396					1757
	MAGNESIUM	758	753	747					327
	PHOSPHORUS	1228	1282	1336					1138
	ZINC	1394	1424	1454					1253
	BARIUM	0	0	0					0

PROPERTIES

			Values Should Be*					
	SUS Viscosity @ 210°F	72.9	65-76	75.9				
	cSt Viscosity @ 100°C	13.71	11.6-14.8	14.49				
	Flashpoint in °F	435	>385	**380**				
	Fuel %	<0.5	<2.0	TR				
	Antifreeze %	**?**	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.4	<0.6	0.3				
	TBN							
	TAN							
	ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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