



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 6/13/2023  
 CODE: 20/88

UNIT ID:  
 CLIENT ID:  
 PAYMENT:

<b>UNIT</b>	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: Mopar 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,316 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** It looks like this engine has finished with the break-in process and seem to be doing quite well mechanically. None of the elements in the spectral examination read high enough to earn a mark and with any luck that trend will continue for a long time to come. We did find as trace of fuel in the oil. The good news is that level isn't anything to worry about. It could be from something harmless like taking the sample right after the engine was started and will probably disappear on its own next time. We'll let you know if that doesn't happen. Great report.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	5,316	<b>UNIT / LOCATION AVERAGES</b>	3,079	2,949	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	14,925		6,028	2,949	
	Sample Date	5/21/2023		11/4/2022	9/11/2022	
	Make Up Oil Added	0 qts		0 qts	0 qts	
ALUMINUM	4	4	4	6	4	
CHROMIUM	1	1	1	1	1	
IRON	17	29	19	36	16	
COPPER	4	40	8	27	16	
LEAD	0	0	0	1	0	
TIN	1	1	0	1	0	
MOLYBDENUM	85	106	161	161	105	
NICKEL	0	0	0	1	0	
MANGANESE	2	7	5	21	1	
SILVER	0	0	0	0	0	
TITANIUM	3	3	17	0	3	
POTASSIUM	1	4	1	5	2	
BORON	11	73	63	53	45	
SILICON	8	40	26	111	13	
SODIUM	4	15	5	14	22	
CALCIUM	1157	1709	1838	1308	1437	
MAGNESIUM	420	220	186	462	463	
PHOSPHORUS	609	658	730	677	679	
ZINC	712	760	827	773	768	
BARIIUM	0	0	0	1	0	

Values  
Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	51.5	46-57	51.6	50.6
	cSt Viscosity @ 100°C	7.72	6.0-9.7	7.77	7.46
	Flashpoint in °F	385	>385	420	450
	Fuel %	TR	<2.0	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.1	0.2
	TBN				
	TAN				
	ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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