



OIL REPORT

LAB NUMBER:
 REPORT DATE: 9/5/2023
 CODE: 20/88

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: Mobil 1 High Mileage 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,403 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS These results are similar to what we found from your 2022 Gladiator last time. The oil was in use for a similar oil change interval, so finding steady wear like this shows all is well with internal parts. There's no evidence of poor wear and there isn't anything in the established trend that shows a developing problem. Low silicon shows excellent air filtration, and the oil filter didn't have a hard time keeping insolubles in check. No measurable fuel, water, or coolant contamination was detected, and the viscosity read in the 5W/30 range, as expected. Excellent results!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,403	UNIT / LOCATION AVERAGES	5,316	3,079	2,949	UNIVERSAL AVERAGES
	MI/HR on Unit	20,328		14,925	6,028	2,949	
	Sample Date	8/11/2023		5/21/2023	11/4/2022	9/11/2022	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	
ALUMINUM	3	3	4	4	6	4	
CHROMIUM	1	1	1	1	1	1	
IRON	16	25	17	19	36	16	
COPPER	4	10	4	8	27	16	
LEAD	0	0	0	0	1	0	
TIN	0	0	1	0	1	0	
MOLYBDENUM	72	62	85	161	161	105	
NICKEL	0	0	0	0	1	0	
MANGANESE	2	2	2	5	21	1	
SILVER	0	0	0	0	0	0	
TITANIUM	0	1	3	17	0	3	
POTASSIUM	2	2	1	1	5	3	
BORON	40	92	11	63	53	46	
SILICON	6	14	8	26	111	13	
SODIUM	5	8	4	5	14	22	
CALCIUM	979	1416	1157	1838	1308	1423	
MAGNESIUM	651	348	420	186	462	468	
PHOSPHORUS	617	622	609	730	677	678	
ZINC	709	728	712	827	773	767	
BARIUM	0	0	0	0	1	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.4	56-63	51.5	51.6	50.6
	cSt Viscosity @ 100°C	9.48	9.1-11.3	7.72	7.77	7.46
	Flashpoint in °F	425	>385	385	420	450
	Fuel %	<0.5	<2.0	TR	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.2	0.1	0.2
	TBN					
	TAN					
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com