



OIL REPORT

LAB NUMBER:
 REPORT DATE: 12/7/2023
 CODE: 20/88

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: Mopar 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,600 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS You're looking at another clean report for the 3.6L powering this Gladiator. Iron is very low - a decrease that's impressive even in the context of a shorter oil run. We checked the wear rate (ppm per mile) and it's also lower than average, so it's not as if a shorter run is the only reason for iron dropping. Aluminum and copper also read at new lows on the page, so this engine is wearing well throughout. Low insolubles show the oil filter wasn't close to being used up at the end of the oil run. Well done.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,600	UNIT / LOCATION AVERAGES	5,403	5,316	3,079	2,949	UNIVERSAL AVERAGES
	MI/HR on Unit	24,928		20,328	14,925	6,028	2,949	
	Sample Date	11/5/2023		8/11/2023	5/21/2023	11/4/2022	9/11/2022	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	
ALUMINIUM	2	3	3	4	4	6	4	
CHROMIUM	0	1	1	1	1	1	1	
IRON	7	22	16	17	19	36	16	
COPPER	1	8	4	4	8	27	16	
LEAD	0	0	0	0	0	1	0	
TIN	0	0	0	1	0	1	0	
MOLYBDENUM	83	66	72	85	161	161	107	
NICKEL	0	0	0	0	0	1	0	
MANGANESE	0	2	2	2	5	21	1	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	1	0	3	17	0	3	
POTASSIUM	0	2	2	1	1	5	3	
BORON	26	81	40	11	63	53	45	
SILICON	5	13	6	8	26	111	13	
SODIUM	2	7	5	4	5	14	21	
CALCIUM	1088	1361	979	1157	1838	1308	1411	
MAGNESIUM	436	363	651	420	186	462	470	
PHOSPHORUS	633	624	617	609	730	677	676	
ZINC	698	723	709	712	827	773	765	
BARIUM	0	0	0	0	0	1	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	51.5	46-57	57.4	51.5	51.6	50.6
	cSt Viscosity @ 100°C	7.73	6.0-9.7	9.48	7.72	7.77	7.46
	Flashpoint in °F	410	>385	425	385	420	450
	Fuel %	<0.5	<2.0	<0.5	TR	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.1	0.2	0.1	0.2
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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