

OIL REPORT

LAB NUMBER:
REPORT DATE: 2/19/2024

UNIT ID:
CLIENT ID:
PAYMENT:

EQUIP. MAKE/MODEL: Jeep 3.6L V-6 Pentastar

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE:

CODE: 20/88

Mobil 1 AFE 0W/20

OIL USE INTERVAL: 5,029 Miles

PHONE: FAX:

ALT PHONE: EMAIL:

OMMENTS

No issues stand out in your Gladiator's latest oil sample. Aluminum bumped up to 5 ppm, showing a little more piston and/or bearing wear took place, but it's not a concern since this level is still within a good wear range. The other metals are within good wear ranges, too, so this engine still appears to be wearing in a healthy fashion at 29,957 miles. Molybdenum and boron's changes are likely just due to the switch to Mobil 1 AFE, so no worries there. Coolant, dirt, and fuel are absent, and insolubles are well below the 0.6% max. Good results all around!

	MI/HR on Oil	5,029	UNIT / LOCATION AVERAGES	4,600	5,403	5,316	3,079	2,949	
	MI/HR on Unit	29,957		24,928	20,328	14,925	6,028	2,949	
	Sample Date	1/27/2024		11/5/2023	8/11/2023	5/21/2023	11/4/2022	9/11/2022	AVERAGES
	Make Up Oil Added	0 qts		0 qts					
NO	ALUMINUM	5	3	2	3	4	4	6	4
Ĭ	CHROMIUM	1	1	0	1	1	1	1	1
	IRON	12	12	7	16	17	19	36	18
2	COPPER	2	3	1	4	4	8	27	15
П	LEAD	0	0	0	0	0	0	1	0
Д	TIN	0	0	0	0	1	0	1	0
TS	MOLYBDENUM	159	93	83	72	85	161	161	105
AR	NICKEL	0	0	0	0	0	0	1	0
7	MANGANESE	1	1	0	2	2	5	21	2
Z	SILVER	0	0	0	0	0	0	0	0
S	TITANIUM	0	1	0	0	3	17	0	3
Ë	POTASSIUM	0	1	0	2	1	1	5	3
Ū	BORON	42	28	26	40	11	63	53	50
EMENT	SILICON	7	7	5	6	8	26	111	14
긂	SODIUM	5	4	2	5	4	5	14	18
	CALCIUM	1299	1295	1088	979	1157	1838	1308	1401
	MAGNESIUM	485	414	436	651	420	186	462	493
	PHOSPHORUS	673	653	633	617	609	730	677	669
	ZINC	803	754	698	709	712	827	773	761
	BARIUM	0	0	0	0	0	0	1	0

Values

Should Be*

		00000					
SUS Viscosity @ 210°F	51.3	46-57	51.5	57.4	51.5	51.6	50.6
cSt Viscosity @ 100°C	7.68	6.0-9.7	7.73	9.48	7.72	7.77	7.46
Flashpoint in °F	415	>385	410	425	385	420	450
Fuel %	<0.5	<2.0	<0.5	<0.5	TR	<0.5	<0.5
Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.2	<0.6	0.1	0.1	0.2	0.1	0.2
TBN							
TAN							
ISO Code							

^{*} THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE