

OIL REPORT

LAB NUMBER: Q03369

CODE: 20/68

PHONE: (940) 452-1721

REPORT DATE: 8/5/2022

CLIENT ID: 95673 PAYMENT: CC: Visa

UNIT ID: 95 CHEROKEE

MAKE/MODEL: Jeep 4.0L Inline 6 cyl **FUEL TYPE:** Gasoline (Unleaded)

ADDITIONAL INFO: Jeep, XJ, 4x4 OIL TYPE & GRADE: Harvest King 15W/40

OIL USE INTERVAL: 5,000 Miles

JOSHUA DOWNS 1990 COUNTY RD 1032

FAX: GREENVILLE, TX 75401 ALT PHONE:

EMAIL: joshua.d.downs@gmail.com, jeepinbanditrider@gmail.com

JOSH: We found iron and lead a bit higher than they've been as of late, with lead more than twice average (hence the highlight). The increases aren't cautionary, though, especially with the levels still matching up closely with samples taken in late 2020/mid 2021. The slight change in wear could be due to a difference in operation (e.g. increased idling, short trips, off-road), so we'll just look for stability or decreases at the next oil change. The viscosity was only a hair below spec, and unrelated to excess fuel. No coolant found. Try sampling again in about 5,000 miles.

	MI/HR on Oil	5,000	LINUT /	5,000	5,000	5,000	5,000	5,000	
	MI/HR on Unit	247,290	AVERAGES	242,512	237,422	232,491	227,424	222,345	UNIVERSAL
	Sample Date	7/23/2022		3/22/2022	10/30/2021	6/29/2021	3/15/2021	10/29/2020	AVERAGES
	Make Up Oil Added	0.5 qts		1 qt	0.5 qts	0.5 qts	0.5 qts	1 qt	
MILLION	ALUMINUM	3	4	3	4	4	4	4	4
	CHROMIUM	1	1	1	0	1	1	1	1
	IRON	20	19	15	12	20	24	18	24
2	COPPER	4	4	3	3	3	4	5	4
ER	LEAD	6	5	3	3	4	5	5	2
Д	TIN	1	1	1	0	0	1	1	1
PARTS	MOLYBDENUM	51	18	11	3	11	4	11	72
	NICKEL	1	1	0	0	1	1	0	1
	MANGANESE	0	0	0	0	0	1	0	1
Z	SILVER	0	0	0	0	0	0	0	0
S	TITANIUM	0	0	0	0	0	0	0	1
Ĕ	POTASSIUM	5	9	4	5	9	14	11	4
H	BORON	4	5	4	3	7	6	3	52
EΜ	SILICON	15	15	19	12	14	14	15	15
H	SODIUM	12	18	13	9	17	22	24	44
•••	CALCIUM	1265	2031	2068	2163	2298	2394	2128	1780
	MAGNESIUM	805	217	152	19	25	34	68	261
	PHOSPHORUS	873	893	877	846	884	920	912	736
	ZINC	1061	1063	1008	980	1063	1137	1047	860
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

SUS Viscosity @ 210°F	59.0	68-78	60.0	60.5	59.9	62.4	61.4
cSt Viscosity @ 100°C	9.92	12.4-15.3	10.22	10.37	10.20	10.90	10.60
Flashpoint in °F	395	>390	410	400	395	410	400
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	0.0	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	0.0
Insolubles %	0.2	<0.6	0.2	0.2	0.3	0.2	0.2
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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