

OIL REPORT

LAB NUMBER: R45131 **REPORT DATE:** 8/17/2023

UNIT ID: 95YJ
CLIENT ID: 95673
PAYMENT: CC: Visa

TIN

MAKE/MODEL: Jeep 2.5L 4-cyl FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO: 1995 Wrangler yi

OIL TYPE & GRADE: Shell Rotella T4 10W/30

OIL USE INTERVAL: 1,000 Minutes

JOSHUA DOWNS

1990 COUNTY RD 1032 GREENVILLE, TX 75401 PHONE: (940) 452-1721

CODE: 20/88

FAX:

ALT PHONE:

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

OMMENTS

JOSHUA: Thanks for noting this engine went unused for 5 years, and sounds rattly. The sound probably relates to the excess wear that turned up in this sample. Most of it seems to be from the upper end, with aluminum from pistons, chromium from rings, and iron from steel parts. If dirt contamination (a possible reason for high silicon) is what spurred this extra wear, fixing an air filtration issue might bring progress. Lead shows some extra bearing wear as well, compared to universal averages, based on ~3,300 miles. The viscosity is a little low too. Check back to monitor.

	MI/HR on Oil	1,000					
	MI/HR on Unit	205,000	LOCATION				UNIVERSAL AVERAGES
	Sample Date	7/26/2023					
	Make Up Oil Added	0 qts					
MILLION							
	ALUMINUM	27	27				5
	CHROMIUM	5	5				1
▕	IRON	67	67				24
	COPPER	10	10				5
ER	LEAD	10	10				3
4	TIN	1	1				1
ITS IN PARTS	MOLYBDENUM	79	79				67
	NICKEL	2	2				1
	MANGANESE	2	2				0
	SILVER	0	0				0
	TITANIUM	0	0				2
	POTASSIUM	0	0				2
EN	BORON	11	11				52
≧	SILICON	45	45				11
ELEMI	SODIUM	23	23				41
	CALCIUM	1103	1103				1836
	MAGNESIUM	745	745				246
	PHOSPHORUS	910	910				747
	ZINC	1047	1047				880
	BARIUM	1	1				2

Values Should Be*

SUS Viscosity @ 210°F	56.4	58-65			
cSt Viscosity @ 100°C	9.18	9.7-11.9			
Flashpoint in °F	400	>385			
Flashpoint in °F Fuel %	<0.5	<2.0			
Antifreeze %	0.0	0.0			
Water %	0.0	0.0			
Insolubles %	0.3	<0.6			
TBN					
TAN					·
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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