

OIL REPORT

LAB NUMBER: \$041796 REPORT DATE: 4/8/2024

CODE: 20/88

UNIT ID: RED TJ
CLIENT ID: 243414
PAYMENT: CC: Visa

LIND

MAKE/MODEL: Jeep 4.0L Inline 6 cyl FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO: 2002 Wrangler

OIL TYPE & GRADE: 10W/30
OIL USE INTERVAL: 3,000 Miles

PHONE: (312) 331-0229 FAX: ALT PHONE: EMAIL:

OMMENTS

MOSHE: There's a little extra lead in this sample, but everything else looks quite good. Lead shows bearing wear, but we doubt there's bearing problem since that usually leaves more iron, copper, and tin in the oil as well. These other wear metals compare nicely to universal averages, which show typical wear for the 4.0L Jeep after ~3,900 miles on the oil. A low viscosity is harmless without fuel dilution as the culprit, and we didn't detect fuel or other contaminants. Check back at your next regular oil change to see how lead is trending.

MI/HR on Oil	3,000				
MI/HR on Unit	38,000	UNIT / LOCATION			UNIVERSAL
Sample Date	3/12/2024	AVERAGES			AVERAGES
Make Up Oil Added					
ALUMINUM	3	3			4
ALUMINUM CHROMIUM IRON CORDER	0	0			1
IRON	11	11			24
COPPER	5	5			4
LEAD TIN	5	5			2
1114	0	0			1
MOLYBDENUM NICKEL MANGANESE	50	50			75
NICKEL	0	0			1
	1	1			1
SILVER	0	0			0
I I I I ANIUM	0	0			1
POTASSIUM	0	0			4
BORON	55	55			53
POTASSIUM BORON SILICON SODIUM	16	16			15
SODIUM	7	7			41
CALCIUM	797	797			1721
MAGNESIUM	704	704			291
PHOSPHORUS	578	578			734
ZINC	668	668			855
BARIUM	0	0			0

Values

Should Be*

	SUS Viscosity @ 210°F	56.2	58-65			
	cSt Viscosity @ 100°C	9.12	9.7-11.9			
	Flashpoint in °F	395	>385			
	Fuel %	<0.5	<2.0			
	Antifreeze %	0.0	0.0			
	Water %	0.0	0.0			
	Insolubles %	0.3	<0.6			
Д	TBN					
	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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