

OIL REPORT LAB NUMBER: P12621 **REPORT DATE:** 11/29/2021

OIL TYPE & GRADE:

UNIT ID: 95 CHEROKEE

CLIENT ID: 95673 PAYMENT: CC: Visa

Shell Rotella T4 10W/30

CLIENT

MAKE/MODEL: Jeep 4.0L Inline 6 cyl

FUEL TYPE: Gasoline (Unleaded)

OIL USE INTERVAL: 5,000 Miles

ADDITIONAL INFO: XJ

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JOSH: All the results look great in this latest report from your Jeep. In fact, most metals reached new lows on the page, and it didn't even take a shorter run or more make-up oil than usual to get these results (fresh oil dilutes metals to an extent). Your 4.0L was just genuinely wearing really, really well during this run. The oil's physical properties (viscosity, insolubles) are in spec, and there isn't any evidence of coolant or fuel contamination in this used Rotella T4. Air filtration is working as it should be - if it wasn't, we might expect to find lots of silicon (dirt) in the used oil.

	MI/HR on Oil	5,000		5,000	5,000	5,000	4,900	5,100	
	MI/HR on Unit	237,422	AVERAGES	232,491	227,424	222,345	217,300	212,437	AVERAGES
	Sample Date	10/30/2021		6/29/2021	3/15/2021	10/29/2020	8/1/2020	3/30/2020	
	Make Up Oil Added	0.5 qts		0.5 qts	0.5 qts	1 qt	1.5 qts	1.75 qts	
N	ALUMINUM		4	4	4	4	4	3	4
OIT	CHROMIUM	0	1	1	1	1	1	1	1
MIL	IRON	12	21	20	24	18	25	16	25
2	COPPER	3	4	3	4	5	3	3	4
띪	LEAD	3	5	4	5	5	6	5	2
4	TIN	0	1	0	1	1	0	0	1
S	MOLYBDENUM	3	9	11	4	11	54	7	71
<u>'</u>	NICKEL	0	1	1	1	0	0	0	1
ΡA	MANGANESE	0	0	0	1	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	11	9	14	11	30	45	4
Ш	BORON	3	5	7	6	3	4	9	51
EM	SILICON	12	14	14	14	15	11	10	15
╗	SODIUM	9	21	17	22	24	53	67	46
	CALCIUM	2163	2273	2298	2394	2128	1896	2439	1811
	MAGNESIUM	19	42	25	34	68	345	31	246
	PHOSPHORUS	846	905	884	920	912	957	949	735
	ZINC	980	1082	1063	1137	1047	1187	1157	861
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

SUS Viscosity @ 210°F	60.5	58-65	59.9	62.4	61.4	73.7	64.9
cSt Viscosity @ 100°C	10.37	9.7-11.9	10.20	10.90	10.60	13.92	11.58
Flashpoint in °F	400	>385	395	410	400	400	390
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	0.11	0.13
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.2	<0.6	0.3	0.2	0.2	0.2	0.3
TBN							
TAN						·	
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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