



OIL REPORT

LAB NUMBER: L56501
 REPORT DATE: 9/17/2019
 CODE: 20/32

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

UNIT	MAKE/MODEL: Jeep 4.0L Inline 6 cyl	OIL TYPE & GRADE: Super Tech 15W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO: XJ	

CLIENT	JOSHUA DOWNS	PHONE: (940) 452-1721
	1990 COUNTY RD 1032	FAX:
	GREENVILLE, TX 75401	ALT PHONE:
		EMAIL: joshua.d.downs@gmail.com

COMMENTS
 JOSH: We're happy to hear all is well on your end. Things don't look too bad from our perspective. You used a longer run than last time and we found less metal and coolant contamination. Lead is still high enough to mark at 5 ppm, and potassium and sodium still show some coolant in the oil. The good news is that things don't look any worse than before, but sometimes what appears to be a seep can quickly turn into a leak. Continue to monitor the oil and coolant levels to avoid a low level situation. Stick with 5K miles or less and check back to monitor.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES	3,000	5,000	UNIVERSAL AVERAGES
	MI/HR on Unit	197,447		190,752	187,600	
	Sample Date	8/27/2019		4/12/2019	2/27/2019	
	Make Up Oil Added	1.75 qts		0.25 qts	1.25 qts	
ALUMINUM	3		4	7	4	
CHROMIUM	1		1	2	1	
IRON	12		15	37	25	
COPPER	4		4	7	4	
LEAD	5		7	15	2	
TIN	3		1	4	1	
MOLYBDENUM	60		60	48	71	
NICKEL	0		0	1	1	
MANGANESE	1		1	2	1	
SILVER	0		0	0	0	
TITANIUM	0		0	0	1	
POTASSIUM	27		39	154	4	
BORON	10		5	18	49	
SILICON	15		24	95	14	
SODIUM	33		37	111	50	
CALCIUM	1790		1682	1610	1921	
MAGNESIUM	438		393	439	185	
PHOSPHORUS	911		898	659	737	
ZINC	1165		1082	889	869	
BARIUM	0		0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	70.4	70-81	72.2	71.4
	cSt Viscosity @ 100°C	13.05	12.9-16.0	13.54	13.32
	Flashpoint in °F	395	>390	400	400
	Fuel %	<0.5	<2.0	<0.5	<0.5
	Antifreeze %	POS	0	POS	0.22
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.3	<0.8	0.1	0.3
	TBN				4.4
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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