



OIL REPORT

LAB NUMBER: L17002
 REPORT DATE: 5/10/2019
 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: 3,000 Miles
	ADDITIONAL INFO: XJ	

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

COMMENTS
 JOSH: Thanks for the notes. We don't know if the sample procedure was the reason for the coolant last time since there is still evidence of coolant in this sample. But the good news is we found a lot less potassium and sodium, and that makes a developing leak unlikely. Bearing wear looks better too, and we don't think this short oil change is entirely to thank for the improvements. We'd suggest another oil change soon just to get the last of this stuff out of the system, and then check back in another 3,000 miles to see how the engine looks. Better!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES	5,000						
	MI/HR on Unit	190,752		187,600						UNIVERSAL AVERAGES
	Sample Date	4/12/2019		2/27/2019						
	Make Up Oil Added	0.25 qts		1.25 qts						
ALUMINUM	4		7							4
CHROMIUM	1		2							1
IRON	15		37							25
COPPER	4		7							4
LEAD	7		15							2
TIN	1		4							1
MOLYBDENUM	60		48							71
NICKEL	0		1							1
MANGANESE	1		2							1
SILVER	0		0							0
TITANIUM	0		0							1
POTASSIUM	39		154							4
BORON	5		18							49
SILICON	24		95							14
SODIUM	37		111							51
CALCIUM	1682		1610							1941
MAGNESIUM	393		439							174
PHOSPHORUS	898		659							739
ZINC	1082		889							872
BARIUM	0		0							0

Values Should Be*

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

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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