

OIL REPORT LAB NUMBER: **REPORT DATE:** 

**CODE**: 44/32

4/17/2018

**CLIENT ID:** 

UNIT ID: 01 CHEROKEE

**PAYMENT:** Prepaid

MAKE/MODEL: **FUEL TYPE:** 

Jeep 4.0L Inline 6 cyl

Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE:

Pennzoil 5W/30

OIL USE INTERVAL:

3,534 Miles

Thanks for the notes. The coolant that's disappearing from the reservoir is making its way into the engine oil, as seen by the high potassium and sodium. That might explain the extra aluminum, which is typically from the pistons. Universal averages show typical wear after about 4,000 miles of oil use. The slightly low viscosity and 1.0% fuel aren't problematic, so they aren't concerning. It's best to use 3,000 miles or less until you can fix the leak. That'll help keep coolant and metals from accumulating too much. Check back after repairs to start building wear trends.

	MI/HR on Oil	3,534									
	MI/HR on Unit	150,919	UNIT / LOCATION						UNIVERSAL AVERAGES		
	Sample Date	4/7/2018	AVERAGES								
	Make Up Oil Added	0 qts									
S	ALUMINUM	12							4		
ĭ	CHROMIUM	1							1		
MILLION	IRON	42							25		
	COPPER	4							4		
PER	LEAD	2							2		
	TIN	0							1		
PARTS	MOLYBDENUM	171							71		
Ŗ	NICKEL	1/							1		
7	MANGANESE	0							1		
Z	SILVER	0							0		
(0	TITANIUM	2		Ε					1		
ij	POTASSIUM	79							4		
卣	BORON	39							48		
ELEMENTS IN	SILICON	15							14		
	SODIUM	230							51		
انا	CALCIUM	1941							1973		
	MAGNESIUM	50							160		
	PHOSPHORUS	804							735		
	ZINC	917							874		
	BARIUM	0							0		
	Values										

Values Should Be\*

SUS Viscosity @ 210°F	52.6	54-62			
cSt Viscosity @ 100°C	8.07	8.5-11.1			
Flashpoint in °F	345	>365			
Fuel %	1.0	<2.0			
Antifreeze %	0.46	0.0			
Water %	0.0	<0.1			
Insolubles %	0.3	<0.6			
TBN					
TAN					
ISO Code				_	

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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