



# OIL REPORT

LAB NUMBER: F25218      UNIT ID: 01 CHEROKEE  
 REPORT DATE: 10/19/2012      CLIENT ID: 58983  
 CODE: 20/75      PAYMENT: Prepaid

<b>UNIT</b>	MAKE/MODEL: Jeep 4.0L Inline 6 cyl	OIL TYPE & GRADE: Castrol GTX 10W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	REECE PRICE	PHONE: (713) 775-5455
	4432 JEFFERSON ST.	FAX:
	HOUSTON, TX 77023	ALT PHONE:
		EMAIL: reecejprice@gmail.com

**COMMENTS** REECE: You're looking for coolant, and unfortunately we found it. We detect coolant by looking for potassium and sodium -- the elements left over when the coolant evaporates in your engine due to heat. This oil might actually use some sodium in its additive package, so that makes it difficult to calculate the amount of coolant present, but potassium shows it's there. Iron shows wear at steel parts, but other metals are still okay. Note the low viscosity. Use 2K-mile oil runs and keep your coolant full until the problem can be addressed. Averages are based on 4,200 miles.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	2,000	<b>UNIT / LOCATION AVERAGES</b>						<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	60,000							
	Sample Date	10/14/12							
	Make Up Oil Added	0 qts							
ALUMINUM	5								3
CHROMIUM	2								1
IRON	34								28
COPPER	6								4
LEAD	4								3
TIN	2								1
MOLYBDENUM	14								67
NICKEL	1								1
MANGANESE	1								1
SILVER	0								0
TITANIUM	0								0
POTASSIUM	56								3
BORON	10								45
SILICON	15								11
SODIUM	267								34
CALCIUM	1749								2110
MAGNESIUM	13								117
PHOSPHORUS	696								720
ZINC	831								865
BARIUM	0								0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	58.7	59-65						
	cSt Viscosity @ 100°C	9.86	9.9-11.9						
	Flashpoint in °F	390	>375						
	Fuel %	<0.5	<2.0						
	Antifreeze %	POS	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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