



OIL REPORT

LAB NUMBER: D28676

UNIT ID: 98 SAHARA

REPORT DATE: 1/17/2008

CLIENT ID: 29668

CODE: 44/284

PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Jeep 4.0L Inline 6 cyl	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,500 Miles
	ADDITIONAL INFO: Wrangler	

CLIENT	
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COMMENTS NICK: Only a couple of unusual findings kept this report for your Jeep from being perfect. 2.5% of the sample was gas, which lowered the oil's viscosity to the 5W/20 range. However, neither the fuel nor the viscosity hurt engine wear as all of the wear metals we found in this oil read at or very close to universal averages, which are based on a 4,460-mile oil change interval. The gas was likely from city driving/idling rather than a faulty injector but we'll monitor it in the future for you. Air and oil filtration (see silicon & insolubles) were normal. Nice wearing Jeep! Check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	90,350						
	Sample Date	01/05/08						
	Make Up Oil Added	6 qts						
	ALUMINUM	4	4					3
	CHROMIUM	1	1					1
	IRON	26	26					27
	COPPER	3	3					4
	LEAD	4	4					4
	TIN	0	0					1
	MOLYBDENUM	89	89					60
	NICKEL	1	1					1
	MANGANESE	0	0					1
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM	9	9					2
	BORON	43	43					43
	SILICON	11	11					11
	SODIUM	14	14					10
	CALCIUM	2237	2237					2097
	MAGNESIUM	13	13					131
	PHOSPHORUS	625	625					708
	ZINC	748	748					855
	BARIUM	0	0					0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	54.6	55-62				
	cSt Viscosity @ 100°C	8.66	8.8-11.1				
	Flashpoint in °F	315	>365				
	Fuel %	2.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com