

**COMMENTS**

**MATTHEW:** We did find a little potassium and sodium in this sample, which aren't normally found in ATF. Potassium and sodium probably show antifreeze in the oil, if that's a possibility. Wear metals were on the high side. Aluminum is from the torque converter and lead might be a marking compound, though it could also show poor wear. Insolubles show that the AFT might have been exposed to excess heat or oxidation. Change this oil out if still in use and check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT /						
	MI/HR on Unit	127,000	LOCATION						
	Sample Date	06/08/11	AVERAGES						UNIVERSAL
	Make Up Oil Added	0 qts							AVERAGES
ALUMINUM	28	28							14
CHROMIUM	0	0							0
IRON	85	85							81
COPPER	56	56							77
LEAD	30	30							12
TIN	12	12							4
MOLYBDENUM	0	0							0
NICKEL	0	0							0
MANGANESE	6	6							4
SILVER	0	0							0
TITANIUM	0	0							0
POTASSIUM	12	12							4
BORON	112	112							96
SILICON	11	11							8
SODIUM	100	100							12
CALCIUM	99	99							196
MAGNESIUM	1	1							3
PHOSPHORUS	254	254							336
ZINC	12	12							16
BARIUM	0	0							2

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	46.4	42-51						
	cSt Viscosity @ 100°C	6.17	4.8-7.9						
	Flashpoint in °F	310	>335						
	Fuel %	-							
	Antifreeze %	?							
	Water %	0.0	<0.1						
	Insolubles %	0.3	<0.1						
	TBN								
	TAN								
	ISO Code								

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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