



OIL REPORT

LAB NUMBER: E36988

UNIT ID: 02 C230*TR

REPORT DATE: 12/1/2010

CLIENT ID: 44892

CODE: 63/75

PAYMENT: Prepaid

UNIT	MAKE/MODEL: Transmission Mercedes Automatic	OIL TYPE & GRADE: Auto Transmission Fluid
	FUEL TYPE:	OIL USE INTERVAL: 83,000 Miles
	ADDITIONAL INFO:	

CLIENT	RON MCCLURE	PHONE: (615) 983-0209
	553 HICKORY TRAIL DR	FAX:
	NASHVILLE, TN 37209	ALT PHONE:
		EMAIL: ronmcclure@comcast.net

COMMENTS RON: Potassium, silicon, and sodium show antifreeze contamination in this transmission sample. Metals are very high compared to averages. Universal averages show typical wear levels for this type of transmission after about 33,000 miles on the oil. Insolubles, which are the total solids in the oil, read extremely high at 0.6%. The contaminant caused some of these solids. If this oil was really in place 83,000 miles, the long oil run also contributed to the solids. The viscosity is still okay for ATF.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	83,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	83,000						
	Sample Date	11/24/10						
	Make Up Oil Added	0 qts						
ALUMINUM	59	59					14	
CHROMIUM	1	1					0	
IRON	326	326					85	
COPPER	164	164					79	
LEAD	50	50					12	
TIN	6	6					4	
MOLYBDENUM	0	0					0	
NICKEL	0	0					0	
MANGANESE	15	15					4	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	20	20					4	
BORON	49	49					90	
SILICON	13	13					8	
SODIUM	77	77					12	
CALCIUM	32	32					214	
MAGNESIUM	4	4					3	
PHOSPHORUS	239	239					338	
ZINC	14	14					17	
BARIUM	0	0					2	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	44.9	42-51				
	cSt Viscosity @ 100°C	5.68	4.8-7.9				
	Flashpoint in °F		>335				
	Fuel %	-					
	Antifreeze %	POS					
	Water %	0.0	<0.1				
	Insolubles %	0.6	<0.1				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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