



OIL REPORT

LAB NUMBER: D53659
 REPORT DATE: 9/30/2008
 CODE: 1/284

UNIT ID: B - TRANS
 CLIENT ID: 144
 PAYMENT: No Charge

UNIT	MAKE/MODEL: Transmission GM Automatic	OIL TYPE & GRADE: Mobil 1 ATF
	FUEL TYPE:	OIL USE INTERVAL: 13,000 Miles
	ADDITIONAL INFO:	

CLIENT	JIM/RYAN STARK OR KRISTIN HUFF	PHONE: (260) 744-2380
	BLACKSTONE LABORATORIES	FAX: (260) 745-2200
	416 E PETTIT AV	ALT PHONE: (260) 456-0809
	AROUND THE CORNER FROM TIRE BARN	EMAIL: bstone@blackstone-labs.com
	FORT WAYNE, IN 46806	

COMMENTS GM OWNER: This transmission looks pretty good. Iron is the only metal reading higher than average, so it's possible there's a gear that's not wearing as well as it could be. But overall we think this Mobil 1 ATF looks pretty good. Insolubles are on the high side at 0.2%, so when you change this oil (and we think it should be fairly soon), you should have the system flushed too, to get rid of the accumulated sludge (insolubles). Otherwise, looks good.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	13,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	09/29/08						
	Make Up Oil Added	0.5 pint						
ALUMINUM	9	7					14	
CHROMIUM	1	1					0	
IRON	275	182					139	
COPPER	47	55					112	
LEAD	27	22					88	
TIN	3	2					5	
MOLYBDENUM	0	0					1	
NICKEL	0	0					1	
MANGANESE	3	2					2	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	3	3					1	
BORON	76	71					72	
SILICON	13	10					27	
SODIUM	11	20					13	
CALCIUM	216	227					131	
MAGNESIUM	15	9					11	
PHOSPHORUS	310	315					271	
ZINC	30	35					87	
BARIUM	4	2					5	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	44.7	43-51				
	cSt Viscosity @ 100°C	5.62	5.1-7.9				
	Flashpoint in °F	375	>355				
	Fuel %	-					
	Antifreeze %	-					
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.1				
	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