



# OIL REPORT

LAB NUMBER: D53590  
 REPORT DATE: 9/30/2008  
 CODE: 20/286

UNIT ID: GMCMH  
 CLIENT ID: 22119  
 PAYMENT: CC: MC

<b>UNIT</b>	EQUIP. MAKE/MODEL: Oldsmobile 403 CID V-8	OIL TYPE & GRADE: Mobil 1 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,776 Miles
	ADDITIONAL INFO: 77 Birchaven	

<b>CLIENT</b>	ROGER BLACK	PHONE: (615) 446-3640
	509 BEECH CT	FAX:
	BURNS, TN 37029	ALT PHONE:
		EMAIL: r1black@earthlink.net

**COMMENTS**  
 ROGER: Everything looks better here. All wear improved and the coolant contamination was present at a much lower level. If your Olds had sat inactive for any extended period of time that may explain the high wear that we found previously. The excess wear could have been from corrosion building up inside the engine and washed out with the oil. Regardless of the cause, wear improved nicely and we hope it does again next time. We suggest staying with a ~2,000 mile oil run for now. The TBN was strong at 5.1, so the active additive held up well. 1.0 is too low.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	2,776	UNIT / LOCATION AVERAGES	3,000					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	112,776		110,000					
	Sample Date	09/14/08		04/02/07					
	Make Up Oil Added	0 qts							
ALUMINUM	13	18	23					8	
CHROMIUM	4	7	10					2	
IRON	106	190	273					47	
COPPER	16	27	37					14	
LEAD	58	105	151					11	
TIN	8	12	15					1	
MOLYBDENUM	122	126	130					40	
NICKEL	1	2	2					1	
MANGANESE	2	4	5					1	
SILVER	0	0	0					0	
TITANIUM	0	0	0					0	
POTASSIUM	9	13	17					1	
BORON	163	132	101					43	
SILICON	17	25	33					15	
SODIUM	51	82	112					29	
CALCIUM	3771	4018	4265					1452	
MAGNESIUM	35	67	98					449	
PHOSPHORUS	1006	1049	1092					866	
ZINC	1259	1340	1420					1031	
BARIUM	0	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	75.0	66-74	74.0				
	cSt Viscosity @ 100°C	14.25	11.9-14.3	13.99				
	Flashpoint in °F	375	>385	425				
	Fuel %	0.5	<2.0	<0.5				
	Antifreeze %	0.10	0	0.22				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.5	<0.7	0.5				
	TBN	5.1						
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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