



OIL REPORT

LAB NUMBER: D50039
 REPORT DATE: 8/25/2008
 CODE: 44/284

UNIT ID: 03 EVO
 CLIENT ID: 27170
 PAYMENT: Verbal, Bruce

UNIT	MAKE/MODEL: Mitsubishi 2.0L	OIL TYPE & GRADE: 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,000 Miles
	ADDITIONAL INFO: Evo 8	

CLIENT	BRUCE RYAN	PHONE:
	2255 120 PL SE	FAX:
	BELLEVUE, WA 98005	ALT PHONE:
		EMAIL: bcnryan@aol.com

COMMENTS
 BRUCE: It's nice to see this Evo again. The oil was run longer, and this engine responded by producing even fewer wear metals. In fact, this engine has a lower wear rate (ppm/mile) than universal averages - an impressive (and not easily attainable) feat. We did find a bit of fuel, which is common in engines that see a lot of city driving and/or idling, and in this case it was only a trace. The viscosity was much higher this time, reading in the 15W/40 range. The higher viscosity may have worked in your favor, wear being what it was. The best wear profile seen in a while.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,000	UNIT / LOCATION AVERAGES	2,000				UNIVERSAL AVERAGES
	MI/HR on Unit	35,000		22,000				
	Sample Date	08/16/08		06/16/07				
	Make Up Oil Added	1 qt		0 qts				
ALUMINUM	1	1	2				3	
CHROMIUM	0	0	0				1	
IRON	3	6	8				9	
COPPER	1	1	1				4	
LEAD	0	1	1				4	
TIN	0	1	1				1	
MOLYBDENUM	221	111	0				69	
NICKEL	0	0	0				0	
MANGANESE	0	0	0				2	
SILVER	0	0	0				0	
TITANIUM	1	1	0				0	
POTASSIUM	0	0	0				1	
BORON	20	61	102				71	
SILICON	6	7	8				11	
SODIUM	5	4	3				8	
CALCIUM	1999	2539	3078				2032	
MAGNESIUM	4	8	12				328	
PHOSPHORUS	1018	1227	1435				753	
ZINC	1283	1531	1778				891	
BARIUM	0	0	0				0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	73.2	54-61	58.1			
	cSt Viscosity @ 100°C	13.80	8.5-10.8	9.69			
	Flashpoint in °F	365	>365	365			
	Fuel %	TR	<2.0	TR			
	Antifreeze %	0.0	0	0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	0.5	<0.6	0.3			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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