OIL REPORT

LAB NUMBER: D51570 **UNIT ID:** EVO-E85
REPORT DATE: 9/10/2008 **CLIENT ID:** 32287
CODE: 20/284 **PAYMENT:** CC: Visa

UNIT

EQUIP. MAKE/MODEL: Mitsubishi 2.0L 4-Cyl Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2005 Lancer
OIL TYPE & GRADE: Mobil 1 10W/30
OIL USE INTERVAL: 5,200 Miles

CLIENT

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COMMENTS

TONY: E85 proponents have been coming out of the woodwork recently, and that's a welcome trend. The universal averages are based on oil from this engine after routine use (~3100 miles). In this sample, lead increased a bit to 8 ppm. This level is not cautionary by any stretch of the imagination, but it is a tad higher than what we've seen for this engine. Could this be from harsh city driving? Other wear looks excellent and consistent, so we suggest just keeping an eye on lead for now. Physically, the oil was free of contamination. Check back in another 5000-6000 mi.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	5,200	UNIT / LOCATION AVERAGES	4,250	2,000				UNIVERSAL AVERAGES
MI/HR on Unit	64,200			61,000				
Sample Date	09/02/08		08/25/08	08/02/08				
Make Up Oil Added	0.5 qt		0 qts	0.5 qt				
ALUMINUM	3	2	4	3				3
CHROMIUM	1	0	0	0				0
IRON	22	17	22	18				11
COPPER	6	5	5	5				4
LEAD	**8**	3	6	3				3
TIN	2	1	1	0				1
MOLYBDENUM	98	402	102	92				177
NICKEL	2	1	2	2				0
MANGANESE	0	0	0	0				4
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				0
POTASSIUM	2	2	2	2				3
BORON	33	28	38	43				57
SILICON	10	13	11	10				14
SODIUM	10	9	9	7				14
CALCIUM	2802	2196	2667	2392				2306
MAGNESIUM	18	374	17	14				196
PHOSPHORUS	749	876	834	742				780
ZINC	934	1032	1098	915				919
BARIUM	0	1	0	1				1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	60.7	59-68	59.7	61.2			
cSt Viscosity @ 100°C	10.42	9.9-12.7	10.12	10.55			
Flashpoint in °F	395	>365	420	405			
Fuel %	<0.5	<2.0	<0.5	<0.5			
Antifreeze %	0.0	0	0.0	0.0			
Water %	0.0	0.0	0.0	0.0			
Insolubles %	0.3	<0.6	0.3	0.5			
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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