



# OIL REPORT

LAB NUMBER: D91649    UNIT ID: EVO-E85  
 REPORT DATE: 10/19/2009    CLIENT ID: 32287  
 CODE: 20/286    PAYMENT: CC: Visa

<b>UNIT</b>	EQUIP. MAKE/MODEL: Mitsubishi 2.0L 4-Cyl Turbo	OIL TYPE & GRADE: Red Line 15W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,640 Miles
	ADDITIONAL INFO: 2005 Lancer	

<b>CLIENT</b>	ANTHONY BERTAGNOLI	PHONE: (714) 577-4186
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**COMMENTS** TONY: Most of the silicon in this sample is likely from anti-foam additive in the oil so your true silicon level is more like 8 ppm, which is great. The viscosity of the oil was thin (15W/40) but this doesn't appear to have been a problem. Trace fuel was in the oil, but at this level it shouldn't be a concern. The 4.2 TBN shows lots of oil additive still active against acidity (1.0 is too low for extended oil use). Wear read pretty low and was in a good balance, so the engine still seems fine in that regard. No water or coolant was found. Try running 5000-5500 miles next OCI if you like.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	3,640	<b>UNIT / LOCATION AVERAGES</b>	2,056	4,700	2,200	1,200	5,200	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	74,496		70,856	68,800	66,370	65,350	64,200	
	Sample Date	09/17/09		03/08/09	11/26/08	09/29/08	09/25/08	09/02/08	
	Make Up Oil Added	1 qt		1 qt	0.5 qt	0.25 qt	0.25 qt	0.5 qt	
ALUMINUM	1	2	2	2	2	2	2	3	3
CHROMIUM	0	0	0	0	0	0	0	1	0
IRON	16	17	14	22	10	8	22	11	11
COPPER	6	5	4	5	3	2	6	4	4
LEAD	0	3	1	2	0	0	8	3	3
TIN	0	1	1	0	1	1	2	1	1
MOLYBDENUM	655	402	278	749	622	622	98	177	177
NICKEL	1	1	1	1	1	1	2	0	0
MANGANESE	0	0	0	1	0	0	0	4	4
SILVER	0	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	0	0	0
POTASSIUM	4	2	3	2	1	0	2	3	3
BORON	26	28	34	19	15	16	33	57	57
SILICON	20	13	11	15	14	14	10	14	14
SODIUM	17	9	8	10	6	5	10	14	14
CALCIUM	2690	2196	2340	1595	1511	1574	2802	2306	2306
MAGNESIUM	66	374	269	940	833	838	18	196	196
PHOSPHORUS	1041	876	768	960	950	967	749	780	780
ZINC	1247	1032	956	1097	1004	1005	934	919	919
BARIUM	2	1	1	1	1	1	0	1	1

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	74.6	79-92	61.2	70.6	67.9	69.1	60.7
	cSt Viscosity @ 100°C	14.14	15.3-18.7	10.56	13.12	12.39	12.71	10.42
	Flashpoint in °F	380	>385	400	375	420	415	395
	Fuel %	TR	<2.0	<0.5	TR	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.2	0.3	0.4	0.2	0.3
	TBN	4.2						
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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