



OIL REPORT

LAB NUMBER: E09558 UNIT ID: G37-2009
 REPORT DATE: 4/15/2010 CLIENT ID: 39007
 CODE: 44/286 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Nissan 3.7L (VQ37HR)	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,300 Miles
	ADDITIONAL INFO: 2009 Infiniti G37	

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COMMENTS KEN: Except for iron, everything looks very good in this sample from the 3.7L in your Infiniti. It's hard to lay the blame for iron on continuing wear-in at this point, so maybe it's due to something else like hard driving. The slightly long oil runs are also causing some of the iron. The other metals have reached averages and the oil looks good physically. No fuel or water was found in the sample and the viscosity was normal. The TBN at 3.6 shows active additive remaining. 1.0 is a low TBN. Shorten your oil change interval to 5,000 miles, and then resample to monitor iron.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,300	UNIT / LOCATION AVERAGES	7,600						
	MI/HR on Unit	25,330		19,100						UNIVERSAL AVERAGES
	Sample Date	04/01/10		12/21/09						
	Make Up Oil Added	0 qts		0 qts						
ALUMINUM	8	10	11							6
CHROMIUM	0	0	0							0
IRON	64	57	49							19
COPPER	11	17	23							11
LEAD	3	5	6							5
TIN	0	1	2							1
MOLYBDENUM	106	107	108							190
NICKEL	0	0	0							0
MANGANESE	1	2	2							1
SILVER	0	0	0							0
TITANIUM	0	0	0							4
POTASSIUM	2	3	3							2
BORON	60	57	54							33
SILICON	12	18	23							16
SODIUM	4	4	4							12
CALCIUM	2466	2419	2371							2000
MAGNESIUM	11	12	12							308
PHOSPHORUS	699	669	639							775
ZINC	838	801	763							933
BARIUM	0	1	1							0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	58.7	55-62	55.9				
	cSt Viscosity @ 100°C	9.84	8.8-11.1	9.04				
	Flashpoint in °F	430	>365	365				
	Fuel %	<0.5	<2.0	TR				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.2	<0.6	0.3				
	TBN	3.6		2.5				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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