



# OIL REPORT

LAB NUMBER: E38993      UNIT ID: 11 G37  
 REPORT DATE: 12/21/2010      CLIENT ID: 15970  
 CODE: 44/75

<b>UNIT</b>	MAKE/MODEL: Nissan 3.7L (VQ37HR)	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 490 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	EUGENE
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**COMMENTS** EUGENE: Copper was the only wear metal out of line enough to highlight in this first sample from the 3.7L V-6 in your brand new G37. The extra copper is normal during wear-in and it should fall towards average over the next few oil changes. Copper is from brass/bronze parts, which are made on a lathe and do not receive a finish polish at the factory. The excess silicon is from harmless silicone sealers and sand-casted parts used during assembly and should improve considerably next time. Check back at your next oil change to monitor wear-in.

	MI/HR on Oil	490	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	490						
	Sample Date	12/03/10						
	Make Up Oil Added	0 qts						
<b>ELEMENTS IN PARTS PER MILLION</b>	ALUMINUM	9	9					5
	CHROMIUM	0	0					0
	IRON	22	22					19
	COPPER	<b>70</b>	70					12
	LEAD	1	1					5
	TIN	0	0					1
	MOLYBDENUM	403	403					264
	NICKEL	0	0					0
	MANGANESE	5	5					1
	SILVER	0	0					0
	TITANIUM	0	0					1
	POTASSIUM	4	4					2
	BORON	6	6					39
	SILICON	<b>153</b>	153					18
	SODIUM	6	6					19
	CALCIUM	1820	1820					2241
	MAGNESIUM	11	11					176
PHOSPHORUS	661	661					805	
ZINC	834	834					969	
BARIUM	10	10					0	

Values Should Be\*

	SUS Viscosity @ 210°F	54.9					
	cSt Viscosity @ 100°C	8.74					
<b>PROPERTIES</b>	Flashpoint in °F	395	>365				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.0	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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