



OIL REPORT

UNIT	MAKE/MODEL: Nissan 3.7L (VQ37HR)	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,365 Miles
	ADDITIONAL INFO:	

CLIENT	
---------------	--

COMMENTS Your engine is still pretty new yet, and that's the likely explanation for the high copper and silicon we found in this sample. If they are residual from wear-in, we expect the numbers to improve next time. Universal averages show wear after 4,500 miles for the Nissan 3.7L engine. We don't think a little oil use is much of a concern, but ask the dealer to be sure. Mobil uses sodium as an additive in most of its conventional products, so this doesn't look like usual Mobil, but we can't say for sure. The TBN shows active additive, and a reading of 4.8 is good, since 1.0 is low.

	MI/HR on Oil	2,365	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	3,628						
	Sample Date	12/10/10						
	Make Up Oil Added							
ELEMENTS IN PARTS PER MILLION	ALUMINUM	7	7					5
	CHROMIUM	0	0					0
	IRON	20	20					19
	COPPER	44	44					12
	LEAD	1	1					5
	TIN	0	0					1
	MOLYBDENUM	185	185					255
	NICKEL	0	0					0
	MANGANESE	3	3					1
	SILVER	0	0					0
	TITANIUM	0	0					1
	POTASSIUM	0	0					2
	BORON	55	55					40
	SILICON	49	49					18
	SODIUM	4	4					20
	CALCIUM	1753	1753					2259
	MAGNESIUM	11	11					167
PHOSPHORUS	611	611					803	
ZINC	788	788					972	
BARIUM	2	2					0	

Values Should Be*

	SUS Viscosity @ 210°F	52.8				
	cSt Viscosity @ 100°C	8.13				
PROPERTIES	Flashpoint in °F	395	>365			
	Fuel %	<0.5	<2.0			
	Antifreeze %	0.0	0.0			
	Water %	0.0	<0.1			
	Insolubles %	0.3	<0.6			
	TBN	4.8				
	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com