

# R&G Laboratories, Inc. Oil Analysis Severity Summary

## OASIS EXAMPLE REPORT

N = Normal

O = Observation

M = Moderate

MH = Moderately High

S = Severe

<u>Lab Number</u>	<u>Name</u>	<u>Description</u>	<u>Date</u>	<u>Severity</u>
383846	2004 PRIUS	JEFFREY DENENBERG	08/31/2010	O

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**Oil Analysis Severity Report**

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**Lab Number:** 383846

**Name:** 2004 PRIUS

**Date:** 08/31/2010

**Severity:** O

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**Recommended Action:**

Continue sampling at frequent intervals to track condition. Check for sources of abrasives entry.

**Data Interpretation:**

The iron and aluminum content have been flagged for observation. Abrasive contamination is suspected based on the silicon content.

**R&G Laboratories, Inc.  
Oil Analysis Data Sheets**

# R&G Laboratories, Inc. - Oil Analysis Data Sheet Report

## OASIS EXAMPLE REPORT

Sample ID: 2004 PRIUS		Description: JEFFREY DENENBERG				Grade:	
Manufacturer:		Oil Type:					
Lab Number		383846	304123	249397	249396		
Sample Date	Units	08/31/10	06/12/08	07/17/06	07/17/06		
<b>WEAR METALS</b>							
Iron	Fe	ppm	66	97	206	1	
Chromium	Cr	ppm	1	1	3	0	
Molybdenum	Mo	ppm	0	0	0	1	
Aluminum	Al	ppm	36	53	56	1	
Copper	Cu	ppm	15	20	21	0	
Lead	Pb	ppm	0	1	1	0	
Tin	Sn	ppm	1	1	3	0	
Silver	Ag	ppm	0	0	0	0	
Nickel	Ni	ppm	1	3	7	0	
Vanadium	V	ppm	0	0	0	0	
Titanium	Ti	ppm	0	0	0	0	
Manganese	Mn	ppm	1	2	5	0	
Cadmium	Cd	ppm	0	0	0	0	
<b>CONTAMINANT METALS</b>							
Silicon	Si	ppm	35	64	153	3	
Sodium	Na	ppm	2	0	0	0	
Boron	B	ppm	50	59	37	59	
<b>ADDITIVE METALS</b>							
Magnesium	Mg	ppm	1	0	0	0	
Calcium	Ca	ppm	120	106	115	109	
Barium	Ba	ppm	1	3	20	0	
Phosphorus	P	ppm	271	264	227	245	
Zinc	Zn	ppm	7	6	8	0	
<b>NON-METALLIC CONT.</b>							
Water		% vol	Nil	Nil	Nil	Nil	
Solids		% vol	<0.1	<0.1	<0.1	<0.1	
<b>LUBE DATA</b>							
Viscosity @ 40'C		cSt	22.2	22.3	21.3	24.6	
Viscosity @ 100'C		cSt	4.7	4.9	4.7	5.5	
<b>PARTICLE COUNT</b>							
4		/ml			99999		
6		/ml			5466		
14		/ml			25		
20		/ml			9		
30		/ml			2		
40		/ml			0		
<b>ADDITIONAL TESTS</b>							
Lube Hours		hrs	60000	59500	61000		
Unit Hours		hrs	180000	120500	61000		
ISO Code 4 um					24		
ISO Code 6 um					20		
ISO Code 14 um					12		
Viscosity Index			133	150	144	171	

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<b>Manufacturer:</b>		<b>Oil Type:</b>			<b>Grade:</b>
<b>Lab Number</b>		383846	304123	249397	249396
<b>Sample Date</b>	<b>Units</b>	08/31/10	06/12/08	07/17/06	07/17/06

**Severity:** (O) - Observation

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