Report Issue Date: September 3, 2010 Report Printed Date: September 3, 2010

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

# **OASIS EXAMPLE REPORT**

	N = Normal O = Observation		M = Moderate	MH = Moderately High	S = Severe	
Lab Number		<u>Name</u>	<u>Description</u>			Severity
383846	2004 PRIUS	JE	EFFREY DENENBERG		08/31/2010	0

Report Issue Date: September 3, 2010 Report Printed Date: September 3, 2010

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

## **OASIS EXAMPLE REPORT**

N = Normal	O = Observation	M = Moderate	MH = Moderately High	S = Severe
Lab Number: 383846	Name: 2004 PRIUS		Date: 08/31/2010	Severity: O

### **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.

Each Drain/Refill replaces about 80% of the ATF so some of the contaminants in later tests are from earlier mileage.

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

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

**OASIS EXAMPLE REPORT** 

	royota					
		180k	120kOil 1	ype: 61k	Virgin	Grade:
ab Number		383846	304123	249397	249396	
ample Date	Units	08/31/10	06/12/08	07/17/06	07/17/06	
Fe	maga	66	97	206	1	Gear wear - improves as gears "lap in
Cr		1	1	3	0	
- t		0	C	0	1	
		36	53	56	1	
Cu			20	21	0	
Pb		0	1	1	0	
Sn		1	1	3	0	
Ag		0	С	0	0	
Ni	ppm	1	3	7	0	
V	ppm	0	C	0	0	
Ti	ppm	0	C	0	0	
Mn	ppm	1	2	5	0	
Cd		0	C	0	0	
ETALS						
Si	ppm	35	64	153	3	Probably Sealant leaching
Na	ppm	2	C	Ì	0	
В	ppm	50	59	37	59	
LS						
Mg	ppm	1	C	0	0	
Ca	ppm	120	106	115	109	
Ва	ppm	1	3	20	0	
Р	ppm	271	264	227	245	
Zn	ppm	7	6	8	0	
CONT.						
	% vol	Nil	Nil	Nil	Nil	
	% vol	<0.1	<0.1	<0.1	<0.1	
40'C	cSt	22.2	22.3	21.3	24.6	
100'C	cSt	4.7	4.9	4.7	5.5	
T						
4				99999		
	/ml			5466		
	/ml			25		
	/ml	1		9		
	/ml			2		
40		<u> </u>		0		
STS		1				
Lube Hours		60000	59500	61000		
Unit Hours		180000	120500	61000		
ISO Code 4 um		<u> </u>				
ISO Code 6 um		1				
ISO Code 14 um				12		
	Fe Cr Mo Al Cu Pb Sn Ag Ni V Ti Mn Cd ETALS Si Na B LS Mg Ca Ba P Zn CONT.	AB Number ample Date Units  Fe ppm Cr ppm Mo ppm Al ppm Cu ppm Pb ppm Sn ppm Ni ppm V ppm Mn ppm Cd ppm Mn ppm Cd ppm Na ppm Na ppm Na ppm Na ppm Na ppm Na ppm P ppm Sn P ppm Ca ppm P ppm Cont.  ### Cont	### Table #### ### ### #######################	### Table   ### Ta	### Table	ab Number ample Date         383846         304123         249397         249396         07/17/06           Fe         ppm         66         97         206         1           Cr         ppm         1         1         3         0           Mo         ppm         0         0         0         1           Al         ppm         36         53         56         1           Cu         ppm         15         20         21         0           Pb         ppm         0         1         1         3         0           Sn         ppm         0         1         1         3         0         0           Sn         ppm         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0

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

## **OASIS EXAMPLE REPORT**

Sample ID: 2004 PRIUS	<u> </u>		Desc	ription: J	DENENBERG	
Manufacturer:	Oil Type:				Grade:	
Lab Number		383846	304123	249397	249396	
Sample Date	Units	08/31/10	06/12/08	07/17/06	07/17/06	

 $\underline{\textbf{Severity:}} \ (\textbf{O}) \ \textbf{-} \ \textbf{Observation}$ 

# **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.