

OASIS EXAMPLE REPORT

Oil Analysis Severity Summary

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>
499520	2004 PRIUS	JEFFREY DENENBERG	06/05/2013	O

OASIS EXAMPLE REPORT

Oil Analysis Severity Report

Lab Number: 499520

Name: 2004 PRIUS

Date: 06/05/2013

Severity: **Observe**

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.

OASIS EXAMPLE REPORT

Oil Analysis Data Sheet Report

Severity: **(O) - Observation**

Sample ID: 2004 PRIUS

Description: JEFFREY DENENBERG

Manufacturer:

Oil Type: Toyota Type WS ATF

Grade:

Lab Number	Sample Date	Unit/Lube Hours	Units	499520 06/05/13 239400/59400	383846 08/31/10 60000/60000	304123 06/12/08 20500/59500	249397 07/17/06 61000/61000	249396 07/17/06 0/0	
WEAR ELEMENTS									
Iron	Fe	ppm	51	66	97	206	1	Initial metal wear decreases as the gears "lap in"!	
Chromium	Cr	ppm	1	1	1	3	0		
Molybdenum	Mo	ppm	0	0	0	0	1		
Aluminum	Al	ppm	20	36	53	56	1		
Copper	Cu	ppm	13	15	20	21	0		
Lead	Pb	ppm	0	0	1	1	0		
Tin	Sn	ppm	1	1	1	3	0		
Silver	Ag	ppm	0	0	0	0	0		
Nickel	Ni	ppm	1	1	3	7	0		
Vanadium	V	ppm	0	0	0	0	0		
Titanium	Ti	ppm	0	0	0	0	0		
Manganese	Mn	ppm	1	1	2	5	0		
Cadmium	Cd	ppm	0	0	0	0	0		
CONTAMINANT ELEMENTS									
Silicon	Si	ppm	25	35	64	153	3	Silicon seems to be leaching from factory sealants.	
Sodium	Na	ppm	2	2	0	0	0		
Boron	B	ppm	52	50	59	37	59		
ADDITIVE ELEMENTS									
Magnesium	Mg	ppm	0	1	0	0	0		
Calcium	Ca	ppm	103	120	106	115	109		
Barium	Ba	ppm	0	1	3	20	0		
Phosphorus	P	ppm	265	271	264	227	245		
Zinc	Zn	ppm	5	7	6	8	0		
NON-METALLIC CONTENT									
Water	% vol		Nil	Nil	Nil	Nil	Nil		
Solids	% vol		<0.1	<0.1	<0.1	<0.1	<0.1		
LUBE DATA									
Viscosity @ 40'C	cSt		21.6	22.2	22.3	21.3	24.6	The Viscosity index shows a need to refresh by 60k miles	
Viscosity @ 100'C	cSt		4.8	4.7	4.9	4.7	5.5		
PARTICLE COUNT									
4	/ml					99999			
6	/ml					5466			
14	/ml					25			
20	/ml					9			
30	/ml					2			
40	/ml					0			
ISO Code 4 um						24			
ISO Code 6 um						20			
ISO Code 14 um						12			
ADDITIONAL TESTS									
Lube Hours	hrs		59400	60000	59500	61000			
Unit Hours	hrs		239400	180000	120500	61000			

OASIS EXAMPLE REPORT
Oil Analysis Data Sheet Report

Severity: **(O) - Observation**

Sample ID: 2004 PRIUS

Description: JEFFREY DENENBERG

Manufacturer:

Oil Type:

Grade:

Lab Number	Units	499520	383846	304123	249397	249396	
Sample Date		06/05/13	08/31/10	06/12/08	07/17/06	07/17/06	
Unit/Lube Hours		239400/59400	30000/60000	20500/59500	61000/61000	0/0	
Viscosity Index		150	133	150	144	171	

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.