

PdMA Corporation
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>
304123 2004 PRIUS		JEFFREY DENENBERY	06/12/2008	O
249397 2004 PRIUS		JEFFREY DENENBERY	07/17/2006	M
249396 2004 PRIUS		JEFFREY DENENBERY	07/17/2006	N

PdMA Corporation
Oil Analysis Severity
Report
OASIS EXAMPLE REPORT

N = Normal O = Observation M = Moderate MH = Moderately High S = Severe

Lab Number: 304123	Name: 2004 PRIUS	Date: 06/12/2008	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, aluminum, and copper content have been flagged for observation. Abrasive contamination is suspected based on the silicon content.

Lab Number: 249397	Name: 2004 PRIUS	Date: 07/17/2006	Severity: M
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Recommended Action:

Consider inspecting this unit for abnormal wear modes. Check for sources of abrasives entry.

Data Interpretation:

The iron, aluminum, and copper content have been flagged for observation. Abrasive contamination is suspected based on the silicon content. Certain particle count values are higher than desired and have been flagged for observation.

Lab Number: 249396	Name: 2004 PRIUS	Date: 07/17/2006	Severity: N
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Sample Comments:

New Lube Reference Sample.

PdMA Corporation - Oil Analysis Data Sheet Report

OASIS EXAMPLE REPORT

Sample ID: 2004 PRIUS

Description: JEFFREY DENENBERY

Manufacturer:

Oil Type:

Grade:

Lab Number		Units	304123	249397	249396	
Sample Date			06/12/08	07/17/06	07/17/06	
WEAR METALS						
Iron	Fe	ppm	97	206	1	
Chromium	Cr	ppm	1	3	0	
Molybdenum	Mo	ppm	0	0	1	
Aluminum	Al	ppm	53	56	1	
Copper	Cu	ppm	20	21	0	
Lead	Pb	ppm	1	1	0	
Tin	Sn	ppm	1	3	0	
Silver	Ag	ppm	0	0	0	
Nickel	Ni	ppm	3	7	0	
Vanadium	V	ppm	0	0	0	
Titanium	Ti	ppm	0	0	0	
Manganese	Mn	ppm	2	5	0	
Cadmium	Cd	ppm	0	0	0	
CONTAMINANT METALS						
Silicon	Si	ppm	64	153	3	
Sodium	Na	ppm	0	0	0	
Boron	B	ppm	59	37	59	
ADDITIVE METALS						
Magnesium	Mg	ppm	0	0	0	
Calcium	Ca	ppm	106	115	109	
Barium	Ba	ppm	3	20	0	
Phosphorus	P	ppm	264	227	245	
Zinc	Zn	ppm	6	8	0	
NON-METALLIC CONT.						
Water	% vol		Nil	Nil	Nil	
Solids	% vol		<0.1	<0.1	<0.1	
LUBE DATA						
Viscosity @ 40'C	cSt		22.3	21.3	24.6	
Viscosity @ 100'C	cSt		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		
ADDITIONAL TESTS						
Lube Hours	hrs		59500	61000		
Unit Hours	hrs		120500	61000		
ISO Code 4 um				24		
ISO Code 6 um				20		
ISO Code 14 um				12		
Viscosity Index			150	144	171	

PdMA Corporation - Oil Analysis Data Sheet Report

OASIS EXAMPLE REPORT

Sample ID: 2004 PRIUS

Description: JEFFREY DENENBERY

Manufacturer:

Oil Type:

Grade:

Lab Number		304123	249397	249396	
Sample Date	Units	06/12/08	07/17/06	07/17/06	

Severity: (O) - Observation

Recommended Action:

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

Data Interpretation:

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