

**UNIT ID**  
2010 TOY PRIUS E  
**SECOND ID**

**UNIT TYPE**  
UNLEADED GASOLINE ENGINE  
**APPLICATION**  
TRANSPORTATION

# Oil Analyzers INC.

**COMPANY INFORMATION**  
MATT WICKERT

302-981-9299  
5 TOP VIEW CT  
NEWARK, DE 19702

**ACCOUNT NUMBER** OILANA75006245  
**DATE SAMPLED** 12/25/09  
**DATE RECEIVED** 12/30/09  
**DATE COMPLETED** 01/06/10

**TRACKING #** 09213G01484  
**MANUFACTURER/MODEL** TOYOTA PRIUS  
**LUBE MFR**  
**LUBE TYPE - GRADE**  
**MICRON RATING** 15  
**FILTER TYPE** FULLFLOW  
**SUMP CAPACITY** 0.00  
**HYD SYSTEM PRESSURE** 0  
**FLUID ADDED**

**OVERALL SEVERITY OF REPORT**  
based on comments, not individual flags



**LAB #** 432844  
**LOCATION** I  
**ANALYST** RNF

**FLUID ANALYSIS REPORT - 877-458-3315**

**COMMENTS** Flagged data may be 'wear-in' or contamination from overhauled or new unit; Silicon/Dirt may be present due to new unit contamination; FUEL DILUTION is at a MODERATE LEVEL; SINCE UNIT IS NEW, RINGS MAY NOT BE COMPLETELY SEATED AND ALLOWING FUEL TO GET BY THE RINGS; Infrared results indicate OXIDATION is SIGNIFICANTLY HIGH; Infrared results indicate that NITRATION is at a MINOR LEVEL; Copper is at a MINOR LEVEL; Bushing/thrust metal and/or most of the copper may be coming from lube cooler (as applicable); Lubricant and filter change acknowledged; Please provide missing lube information. We need manufacturer, type and grade to properly evaluate data for lube;

S A M P L E #	WEAR METALS PPM										CONTAMINANT METALS - PPM			MULTI-SOURCE METALS - PPM						ADDITIVE METALS PPM				
	I R O N	C H R O M I U M	N I C K E L	A L U M I N U M	C O P P E R	L E A D	T I N	C A D M I U M	S I L I C O N	V A N A D I U M	S I L I C O N	S O D I U M	P O T A S S I U M	T I T A N I U M	M O L Y B D E N I U M	A N T I M O N Y	M A N G A N E S E	L I T H I U M	B O R O N	M A G N E S I U M	C A L C I U M	B A R I U M	P H O S P H O R O U S	Z I N C
1	24	0	0	9	43	0	0	0	0	0	186	3	1	0	559	0	1	0	40	8	1839	0	536	644

S A M P L E #	DATE SAMPLED	UNIT TIME	L U B E C H G	F I L T E R C H G	F U E L G C	S O O T Vol.	W A T E R Infrared	V I S 40C CS	V I S 100C CS	T A N Total Acid	T B N Total Base	I-R O X I D A	I-R N I T R A	ISO C O D E	4 M I C R O N	6 M I C R O N	10 M I C R O N	14 M I C R O N	21 M I C R O N	38 M I C R O N	70 M I C R O N	100 M I C R O N
	DATE RECEIVED	LUBE TIME																				
1	12/25/09 12/30/09	5460 5460	Y	Y	3.4%	<.1%	<.1		6.8		4.79	27	21									

SAMP #																						
1																						

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing lube or unit time limits the evaluation. No warranty is expressed or implied.