

UNIT ID
2010 TOY PRIUS E
SECOND ID
UNIT TYPE
UNLEADED GASOLINE ENGINE
APPLICATION
TRANSPORTATION

Oil Analyzers INC.

COMPANY INFORMATION

ACCOUNT NUMBER OILANA75006245
DATE SAMPLED 10/09/10
DATE RECEIVED 10/13/10
DATE COMPLETED 10/14/10
TRACKING # 09213G01507
MANUFACTURER/MODEL TOYOTA PRIUS
LUBE MFR AMSOIL
LUBE TYPE - GRADE SAE 20
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 # 818063 LOCATION I ANALYST CMW

FLUID ANALYSIS REPORT - 877-458-3315

COMMENTS FLAGGED values are much higher than expected for new/overhauled unit; Silicon/Dirt may be present due to new unit contamination; Aluminum is at a MINOR LEVEL; Possible piston metal; FUEL DILUTION is at a SEVERE LEVEL; SINCE UNIT IS NEW, RINGS MAY NOT BE COMPLETELY SEATED AND ALLOWING FUEL TO GET BY THE RINGS; Total Base Number is MODERATELY LOW; Infrared results indicate beginning lube oxidation; Lubricant and filter change acknowledged; Change oil and filters if not done when oil sample was taken.

SAMP #	WEAR METALS PPM										CONTAMINANT METALS - PPM					MULTI-SOURCE METALS - PPM					ADDITIVE METALS PPM				
	IRON	CHROME	NICKEL	ALUMINUM	COPPER	LEAD	TIN	CA	SI	VA	SODIUM	POTASSIUM	TITANIUM	MOLYBDENUM	ANTHRAcene	MANGANESE	LITHIUM	BORON	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC		
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	
2	24	0	0	12	15	0	0	0	0	0	54	18	14	0	75	0	0	0	9	16	2741	0	637	709	

SAMP #	DATE SAMPLED	UNIT TIME	LUBE	FILT	FUEL	SOT	WATER	VIS	VIS	TAN	TBN	I-R	I-R	ISO	4	6	10	14	21	38	70	100	
																							CHG
1	12/25/09	5460	Y	Y	3.4%	<.1%	<.1		6.8		4.79	27	21										
2	10/09/10	15365	Y	Y	4.6%	<.1%	<.1		7.6		3.59	52	32										

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.