



# OIL REPORT

LAB NUMBER: E73152  
 REPORT DATE: 10/3/2011  
 CODE: 20/75

UNIT ID: 10 PRIUS-TA  
 CLIENT ID:  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Transaxle Toyota Prius	OIL TYPE & GRADE: Toyota WS ATF
	FUEL TYPE:	OIL USE INTERVAL: 30,171 Miles
	ADDITIONAL INFO:	

<b>UNIT</b>	
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**COMMENTS** THOMAS: Amended report showing correct equipment and history. Note the increase in aluminum. We're unsure were exactly that aluminum is coming from. Normally, gears are made of steel, but this gear set could well have aluminum in it. At any rate, it's probably not a metal that should track with time on the oil, and it's unusual to see it increase after a wear-in factory sample. Insolubles likely show some excessive heat/use. Try dropping back to 20,000 miles on the next ATF. Does the dealer have any thoughts regarding aluminum? Let us know what you find out.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	30,171	<b>UNIT / LOCATION AVERAGES</b>	19,687				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit			19,687				
	Sample Date	09/23/11		05/08/10				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	144	127	110					48
CHROMIUM	1	2	2					2
IRON	37	46	55					128
COPPER	14	18	21					25
LEAD	1	1	1					2
TIN	1	2	2					3
MOLYBDENUM	1	1	1					0
NICKEL	3	3	3					5
MANGANESE	2	5	7					3
SILVER	0	0	0					0
TITANIUM	0	0	0					0
POTASSIUM	0	2	4					2
BORON	63	55	46					75
SILICON	52	92	132					130
SODIUM	0	2	3					4
CALCIUM	122	133	143					175
MAGNESIUM	1	2	2					4
PHOSPHORUS	292	290	288					311
ZINC	9	12	14					14
BARIUM	0	2	4					16

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	43.4	43-51	42.0				
	cSt Viscosity @ 100°C	5.22	5.1-7.9	4.78				
Flashpoint in °F	370	>320	380					
Fuel %	-		-					
Antifreeze %	-		-					
Water %	0.0	<0.1	0.0					
Insolubles %	0.1	<0.1	0.2					
TBN								
TAN								
ISO Code								

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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