



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 7/14/2010  
 CODE:

UNIT ID: PRIUS-TSXL  
 CLIENT ID:  
 PAYMENT:

<b>UNIT</b>	MAKE/MODEL: Transaxle Toyota	OIL TYPE & GRADE: Toyota WS ATF
	FUEL TYPE:	OIL USE INTERVAL: 19,687 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** THOMAS: This is the factory fill of ATF in a transmission with just 19,687 miles run in your Prius, so we believe that the extra wear is due to wear-in of new parts and not an issue. Silicon is also quite high, and likely caused by harmless silicone sealers and sand casted parts used during assembly. The ATF's viscosity was just a touch low, but not an issue. Insolubles (oxidized solids from heat and use) at 0.2% are cause for concern, so we were glad to see that you changed this fluid out. Try running about 12,000 miles on the new fill and then resample for more information.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	19,687	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	19,687						
	Sample Date	05/08/10						
	Make Up Oil Added	0 qts						
ALUMINUM	110	110					16	
CHROMIUM	2	2					1	
IRON	55	55					38	
COPPER	21	21					51	
LEAD	1	1					10	
TIN	2	2					2	
MOLYBDENUM	1	1					1	
NICKEL	3	3					1	
MANGANESE	7	7					2	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	4	4					1	
BORON	46	46					55	
SILICON	132	132					50	
SODIUM	3	3					4	
CALCIUM	143	143					130	
MAGNESIUM	2	2					19	
PHOSPHORUS	288	288					284	
ZINC	14	14					57	
BARIUM	4	4					8	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	42.0	43-51				
	cSt Viscosity @ 100°C	4.78	5.1-7.9				
	Flashpoint in °F	380	>335				
	Fuel %	-					
	Antifreeze %	-					
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.1				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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