



OIL REPORT

LAB NUMBER:
REPORT DATE: 10/3/2011

UNIT ID: 10 PRIUS-TA

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

UNIT	
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COMMENTS THOMAS: The only element out of line in this sample was aluminum, and it read high at 144 ppm. If this is just the first oil change for this transaxle, maybe we're seeing the results of wear-in. If not, we might be looking at wear at a torque converter or other similar part. It's difficult to make any hard and fast calls without first seeing trends, so our suggestion for now is to just resample next oil change to monitor. Note insolubles, which show oxidation of this oil as a result of heat and/or use. As a result, we wouldn't run any longer than this next time around.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	30,171	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	09/23/11						
	Make Up Oil Added	0 qts						
ALUMINUM	144	127					41	
CHROMIUM	1	2					1	
IRON	37	46					38	
COPPER	14	18					44	
LEAD	1	1					8	
TIN	1	2					2	
MOLYBDENUM	1	1					1	
NICKEL	3	3					1	
MANGANESE	2	5					2	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	2					1	
BORON	63	55					57	
SILICON	52	92					50	
SODIUM	0	2					3	
CALCIUM	122	133					128	
MAGNESIUM	1	2					15	
PHOSPHORUS	292	290					285	
ZINC	9	12					48	
BARIUM	0	2					6	

Values Should Be*

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

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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