



OIL REPORT

LAB NUMBER: D46601
REPORT DATE: 7/24/2008
CODE: 1/284

UNIT ID: PRIUS-TR
CLIENT ID: 32069
PAYMENT: Prepaid

UNIT

MAKE/MODEL: Transaxle Toyota Prius
FUEL TYPE:
ADDITIONAL INFO:

OIL TYPE & GRADE: Auto Transmission Fluid
OIL USE INTERVAL: Miles

COMMENTS

DAVE: Aluminum and iron were on the high side in this sample, but neither was high enough to suggest any serious mechanical problems are developing in this Prius transaxle. Universal averages show typical wear from this type of system after about 29,000 miles use on the oil. If this oil was run longer, that likely explains the higher wear. The oil was normal in viscosity for an ATF, though insolubles were at the limits. This along with the higher wear is a good sign that the oil should be changed out if you haven't done so already. Check back in 25,000-30,000 miles to monitor.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit								
	Sample Date	07/23/08							
	Make Up Oil Added								
ALUMINUM	101		101						60
CHROMIUM	3		3						3
IRON	219		219						155
COPPER	18		18						16
LEAD	2		2						2
TIN	2		2						2
MOLYBDENUM	0		0						0
NICKEL	8		8						5
MANGANESE	5		5						5
SILVER	0		0						0
TITANIUM	0		0						0
POTASSIUM	2		2						1
BORON	47		47						48
SILICON	188		188						173
SODIUM	4		4						4
CALCIUM	106		106						118
MAGNESIUM	5		5						4
PHOSPHORUS	253		253						265
ZINC	10		10						8
BARIUM	39		39						28

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	43.6	42-51					
	cSt Viscosity @ 100°C	5.28	4.8-7.9					
	Flashpoint in °F	365	>335					
	Fuel %	-						
	Antifreeze %	-						
	Water %	0.0	<0.1					
	Insolubles %	0.1	<0.1					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com