



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	OIL TYPE & GRADE: Auto Transmission Fluid
	FUEL TYPE:	OIL USE INTERVAL: Miles
	ADDITIONAL INFO:	

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