



## OIL REPORT

LAB NUMBER: E96384

UNIT ID: 12 PRIUS

REPORT DATE: 4/2/2012

CLIENT ID: 36647

CODE: 20/461

PAYMENT: CC: AmEx (Bulk)

**UNIT**

MAKE/MODEL: Toyota 1.5L 4-cyl (1NZ-FXE) (Prius)  
FUEL TYPE: Gasoline (Unleaded)  
ADDITIONAL INFO:

OIL TYPE & GRADE: 5W/20  
OIL USE INTERVAL: 1,000 Miles

**CLIENT**

priusCpilot

PHONE:  
FAX:  
ALT PHONE:  
EMAIL:

**COMMENTS**

GEORGE: Nothing out of the norm presented itself in this sample from your Prius C. High wear and silicon are common finds in factory oil and they don't raise any eyebrows, but copper is really the only metal that's high in this sample. It's from wear-in at brass/bronze parts and not cautionary. Silicon is from factory sealants and sand-casted parts. The viscosity was in the 5W/20 range. The TBN was plenty strong at 8.0 showing lots of active additive; less than 1.0 is too low for extended use. No problems found, so keep this oil in use and check back in 2,000 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	1,000							
	Sample Date	03/23/12							
	Make Up Oil Added	0 qts							
	ALUMINUM	6							3
	CHROMIUM	0							0
	IRON	5							10
	COPPER	64							1
	LEAD	2							0
	TIN	2							1
	MOLYBDENUM	101							76
	NICKEL	0							0
	MANGANESE	2							1
	SILVER	0							0
	TITANIUM	0							1
	POTASSIUM	6							2
	BORON	3							48
	SILICON	182							15
	SODIUM	0							28
	CALCIUM	2136							2276
	MAGNESIUM	24							26
	PHOSPHORUS	719							660
	ZINC	749							784
	BARIUM	4							0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	48.7	46-57					
	cSt Viscosity @ 100°C	6.87	6.0-9.7					
	Flashpoint in °F	380	>355					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.1	<0.6					
	TBN	8.0	>1.0					
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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