



OIL REPORT

LAB NUMBER:

REPORT DATE: 6/29/2012

CODE:

UNIT ID: 12 PRIUS

CLIENT ID:

PAYMENT:

UNIT	MAKE/MODEL: Toyota 1.5L 4-cyl (1NZ-FXE) (Prius)	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,214 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	GEORGE: This oil went much further than the previous sample, and wear only increased by a smidge. The extra wear and silicon isn't anything to lose sleep over, though we will expect to see all around improvements with the next oil change. With accumulation reading as high as it is, we do suggest changing this oil out. As long as the silicon is residual from harmless sealers, you could run this oil out to 7,000 total miles if you like. Silicon could be abrasive dirt though, so suggest inspecting engine air filtration for leaks. The TBN was a strong 3.7. Check back to monitor.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,214	UNIT / LOCATION AVERAGES	1,000					UNIVERSAL AVERAGES
	MI/HR on Unit	6,214		1,000					
	Sample Date	06/22/12		03/23/12					
	Make Up Oil Added			0 qts					
	ALUMINUM	7	7	6					3
	CHROMIUM	0	0	0					0
	IRON	12	12	5					10
	COPPER	67	67	64					1
	LEAD	2	2	2					0
	TIN	1	1	2					1
	MOLYBDENUM	104	104	101					77
	NICKEL	1	1	0					0
	MANGANESE	2	2	2					0
	SILVER	0	0	0					0
	TITANIUM	0	0	0					1
	POTASSIUM	2	2	6					2
	BORON	4	4	3					48
	SILICON	196	196	182					15
	SODIUM	5	5	0					30
	CALCIUM	2116	2116	2136					2253
	MAGNESIUM	15	15	24					41
	PHOSPHORUS	718	718	719					659
	ZINC	777	777	749					782
	BARIUM	4	4	4					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.9		48.7				
	cSt Viscosity @ 100°C	6.93		6.87				
	Flashpoint in °F	380	>365	380				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.1				
	TBN	3.7	>1.0	8.0				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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