



OIL REPORT

LAB NUMBER: F10780
REPORT DATE: 7/13/2012
CODE: 44/75

UNIT ID: 12 PRIUS
CLIENT ID: 56728
PAYMENT: Prepaid

REC'D 7/13/12

UNIT	MAKE/MODEL: Toyota 1.8L 4-cyl (1ZZ-FE)	OIL TYPE & GRADE: Synthetic 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,500 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE: [REDACTED]
	FAX: [REDACTED]
	ALT PHONE: [REDACTED]
	EMAIL: [REDACTED]

COMMENTS	[REDACTED] The high wear metals and silicon are not unusual finds in the oil from your new Toyota. In fact, we would have been surprised if we didn't find them. The wear is high due to break-in of new parts, while silicon is from sealers and sand-casted parts. Universal averages show typical wear metals for oil from this engine after 5,500 miles use. We expect your engine will look that good or better in two or three more oil changes. Toyota engines tend to wear very nicely, and yours will too once it's past wear-in. Check back to see improvements.

	MI/HR on Oil	3,500	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	3,500							
	Sample Date	07/04/12							
	Make Up Oil Added	0 qts							
ELEMENTS IN PARTS PER MILLION	ALUMINUM	4	4						3
	CHROMIUM	0	0						0
	IRON	12	12						8
	COPPER	54	54						2
	LEAD	1	1						1
	TIN	1	1						1
	MOLYBDENUM	105	105						78
	NICKEL	0	0						0
	MANGANESE	1	1						1
	SILVER	0	0						0
	TITANIUM	0	0						1
	POTASSIUM	3	3						1
	BORON	2	2						40
	SILICON	208	208						15
	SODIUM	3	3						38
	CALCIUM	2184	2184						2198
	MAGNESIUM	15	15						113
	PHOSPHORUS	734	734						713
	ZINC	884	884						841
	BARIUM	1	1						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.5	46-59					
	cSt Viscosity @ 100°C	6.81	6.0-10.2					
	Flashpoint in °F	390	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.3	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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