



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

ELEMENTS IN PARTS PER MILLION	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						
	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

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