



OIL REPORT

LAB NUMBER: D42167

UNIT ID: 04 PRIUS

REPORT DATE: 6/10/2008

CLIENT ID: 31535

CODE: 20/286

PAYMENT: Prepaid

UNIT	MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-cyl	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,400 Miles
	ADDITIONAL INFO:	

CLIENT	BRUCE ALVAREZ	PHONE: (802) 862-7451
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COMMENTS	BRUCE: Universal averages show typical wear from this type of engine after 6,700 miles run on the oil. Your oil was in use for 7,400 miles, and we found all wear at around average levels and in the correct balance to show normal mechanical parts inside. Air and oil filtration (see silicon and insolubles) appeared normal. This was 5W/30 engine oil with no moisture or anti-freeze in it and the TBN was 3.7, showing lots of active additive left in the oil. 1.0 is too low a reading. The trace of gas wasn't a problem. Try ~8,000 miles. Your Toyota engine can handle it!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,400	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	62,471							
	Sample Date	03/15/08							
	Make Up Oil Added	0 qts							
	ALUMINUM	4	4						3
	CHROMIUM	0	0						0
	IRON	11	11						8
	COPPER	1	1						1
	LEAD	1	1						0
	TIN	0	0						0
	MOLYBDENUM	88	88						69
	NICKEL	0	0						0
	MANGANESE	0	0						1
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	2	2						1
	BORON	39	39						53
	SILICON	12	12						14
	SODIUM	6	6						8
	CALCIUM	2408	2408						2352
	MAGNESIUM	13	13						24
	PHOSPHORUS	678	678						643
	ZINC	810	810						763
	BARIUM	1	1						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.4	55-62					
	cSt Viscosity @ 100°C	9.47	8.8-11.1					
	Flashpoint in °F	360	>365					
	Fuel %	TR	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.4	<0.6					
	TBN	3.7						
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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