



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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