

# OIL REPORT

LAB NUMBER: D58546

UNIT ID: 07 PRIUS

REPORT DATE: 11/17/2008

CLIENT ID:

CODE: 20/47

PAYMENT:

UNIT

MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-cyl  
FUEL TYPE: Gasoline (Unleaded)  
ADDITIONAL INFO:

OIL TYPE & GRADE: Amsoil Synthetic 5W/30  
OIL USE INTERVAL: 10,545 Miles

CLIENT

COMMENTS

RUSSELL: You've run this oil fill about 4500 miles longer than the last, and your engine barely even noticed the change. That's a testament to how well Toyota engines wear, more than the oil you're using, since no oil can keep metals from building up. The only thing that read out of line here is silicon. Silicon can have a variety of sources, including some that are harmless (silicone additives, sealers, and lubes) and some that are harmful (like dirt). Suggest checking the air filter to ensure the silicon is not dirt. The TBN read 5.4, still good. Add 3K miles to this fill.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,545	UNIT / LOCATION AVERAGES	6,036					UNIVERSAL AVERAGES
	MI/HR on Unit	37,354		16,286					
	Sample Date	11/09/08		01/05/08					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	4	4	4					3
	CHROMIUM	0	0	0					0
	IRON	10	10	9					8
	COPPER	2	3	3					1
	LEAD	0	1	1					0
	TIN	0	0	0					0
	MOLYBDENUM	61	72	82					68
	NICKEL	0	0	0					0
	MANGANESE	1	1	0					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					0
	POTASSIUM	1	2	2					1
	BORON	118	85	52					49
	SILICON	24	20	15					15
	SODIUM	7	7	6					14
	CALCIUM	3409	2924	2439					2335
	MAGNESIUM	14	13	11					25
	PHOSPHORUS	717	668	619					643
	ZINC	875	879	883					773
	BARIUM	0	0	0					0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	59.6	56-63	57.3				
	cSt Viscosity @ 100°C	10.10	9.1-11.3	9.45				
	Flashpoint in °F	360	>365	370				
	Fuel %	TR	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.4	<0.6	0.2				
	TBN	5.4		4.6				
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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