

OIL REPORT

LAB NUMBER: D58546

UNIT ID: 07 PRIUS

REPORT DATE: 11/17/2008

CLIENT ID: XXXXXXXXXX

CODE: 20/47

PAYMENT: XXXXXXXXXX

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
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CLIENT	
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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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