



OIL REPORT

LAB NUMBER: D97660 UNIT ID: 10 PRIUS
 REPORT DATE: 12/11/2009 CLIENT ID: 38814
 CODE: 20/284 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Toyota 1.8L (Prius) 4-cyl (2ZRFXE)	OIL TYPE & GRADE: 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,103 Miles
	ADDITIONAL INFO:	

CLIENT	GABOR SZILAGYI	PHONE: (212) 963-7781
	77 MONTGOMERY AVE	FAX:
	OCEANSIDE, NY 11572	ALT PHONE:
		EMAIL: gabor.szilagyi@gmail.com

COMMENTS GABOR (amended report): The viscosity was 5W/20, which is normal for a factory-fill oil. Don't be alarmed by all the highlighted numbers in the first sample from your Prius. High wear and silicon are common finds in new engines such as this. The excess wear metals are due to new parts breaking-in, while silicon is from sand-casted parts and sealers used when assembling your engine. Both should improve with subsequent oil changes. Universal averages for the 1.8L are based on an oil run of 4,600 miles. In a few oil changes, wear should look better. Check back in ~5,000 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,103	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	5,103						
	Sample Date	11/25/09						
	Make Up Oil Added	0 qts						
ALUMINUM	4	4					2	
CHROMIUM	0	0					0	
IRON	14	14					6	
COPPER	45	45					2	
LEAD	1	1					3	
TIN	1	1					0	
MOLYBDENUM	446	446					40	
NICKEL	0	0					0	
MANGANESE	1	1					0	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	2	2					2	
BORON	56	56					70	
SILICON	212	212					8	
SODIUM	6	6					23	
CALCIUM	2218	2218					2151	
MAGNESIUM	10	10					118	
PHOSPHORUS	644	644					725	
ZINC	626	626					871	
BARIUM	3	3					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	49.8	46-59				
	cSt Viscosity @ 100°C	7.20	6.0-10.2				
Flashpoint in °F	370	>355					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.2	<0.6					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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