



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.
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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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