



# OIL REPORT

LAB NUMBER: D36768  
 REPORT DATE: 4/16/2008  
 CODE: 20/286

UNIT ID: 05 PRIUS-SY  
 CLIENT ID: 21659  
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-cyl	OIL TYPE & GRADE: Mobil 1 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 10,043 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** The dealer guys may not have gotten the oil as hot as you would have if you'd taken the engine out for a spin on the highway, but the oil was hot enough to cook out most fuel and all moisture that may have accumulated. The trace of fuel here is normal. Wear still looks great, even though you ran this oil much longer than the last. Your Prius is wearing very well, and we don't think you've yet found the ceiling on how long you can run the oil. Since it's wearing well and the filters are performing well, go for 12,000 miles next time. That interval should be fine.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,043	UNIT / LOCATION AVERAGES	7,396	4,800	4,921	380	1,420	UNIVERSAL AVERAGES
	MI/HR on Unit	75,124		72,476	69,880	59,918	55,577	36,314	
	Sample Date	04/02/08		02/21/08	01/27/08	09/29/07	08/05/07	11/26/06	
	Make Up Oil Added	0.5 qt		0 qts					
ALUMINUM	5	3	4	3	2	2	2	3	
CHROMIUM	1	0	0	0	0	0	0	0	
IRON	9	5	8	8	4	2	1	8	
COPPER	1	1	1	1	1	1	0	1	
LEAD	0	0	1	0	0	0	0	0	
TIN	0	0	0	0	0	0	0	0	
MOLYBDENUM	64	61	68	67	39	38	70	70	
NICKEL	0	0	0	0	0	0	0	0	
MANGANESE	0	0	0	0	0	0	0	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	1	1	1	0	2	0	0	1	
BORON	28	34	33	35	22	32	47	51	
SILICON	18	14	19	19	12	8	11	14	
SODIUM	12	13	10	9	6	3	4	7	
CALCIUM	2227	2147	2051	2258	2273	2091	2116	2337	
MAGNESIUM	12	11	11	13	11	9	10	24	
PHOSPHORUS	630	609	625	616	638	580	589	637	
ZINC	795	724	771	768	732	668	680	754	
BARIUM	0	1	0	0	2	1	1	0	

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	53.0	49-58	53.5	51.8	<b>55.8</b>	56.3	59.8
	cSt Viscosity @ 100°C	8.17	7.0-9.9	8.34	7.82	<b>9.01</b>	9.16	10.15
	Flashpoint in °F	<b>350</b>	>355	<b>325</b>	385	370	<b>355</b>	<b>350</b>
	Fuel %	TR	<2.0	1.5	<0.5	<0.5	0.5	0.8
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.5	0.3	0.3	0.2	0.1	0.2
	TBN	2.8		3.8	4.1			
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE