



OIL REPORT

LAB NUMBER: E00817
 REPORT DATE: 1/19/2010
 CODE: 44/286

UNIT ID: 07 PRIUS
 CLIENT ID:
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-Cyl (Prius)	OIL TYPE & GRADE: Mobil 1 0W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 9,900 Miles
	ADDITIONAL INFO:	

CLIENT	WINSTON	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

COMMENTS WINSTON: The only thing that was slightly out of line in the latest oil sample from your Prius was gasoline. 1.5% of the sample was gas and it could be from taking the sample right after starting the engine. We don't get too excited about gas dilution of the oil unless it reads over 2.0% and it affects oil viscosity. The oil's TBN this time was 3.6, which is a lot stronger than the previous type of oil you used. Engine wear looks great. Air and oil filtration appeared to be quite normal. Why not try a ~12,000-mile oil change interval then check back to see how your engine does.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	9,900	UNIT / LOCATION AVERAGES	9,500	7,700	2,750	2,272	UNIVERSAL AVERAGES
	MI/HR on Unit			22,339	12,692	5,020	2,272	
	Sample Date	01/10/10		04/19/08	11/19/07	08/26/07	06/30/07	
	Make Up Oil Added	0 qts		0 qts		0 qts	0 qts	
ALUMINUM	2	3	3	2	2	4	3	
CHROMIUM	0	0	0	0	0	0	0	
IRON	14	8	9	6	4	6	8	
COPPER	1	15	2	3	13	54	1	
LEAD	0	0	0	0	0	1	0	
TIN	1	1	2	0	0	0	0	
MOLYBDENUM	86	51	37	39	37	55	73	
NICKEL	1	1	1	1	0	0	0	
MANGANESE	1	1	1	0	0	1	1	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	
POTASSIUM	5	2	2	0	1	3	2	
BORON	45	66	53	99	131	2	49	
SILICON	8	34	11	16	33	102	14	
SODIUM	8	3	3	2	2	2	21	
CALCIUM	2469	1936	2050	2080	1753	1327	2276	
MAGNESIUM	12	9	9	9	9	6	27	
PHOSPHORUS	669	617	678	678	581	480	640	
ZINC	855	764	845	860	686	576	778	
BARIUM	0	0	0	0	0	2	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.4	55-66	51.7	50.2	52.6	54.8
	cSt Viscosity @ 100°C	9.48	8.8-12.2	7.79	7.32	8.06	8.72
	Flashpoint in °F	355	>385	385	365	360	375
	Fuel %	1.5	<2.0	<0.5	TR	0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.3	0.3	0.2	0.2
	TBN	3.6		1.6	2.7		
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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