



OIL REPORT

LAB NUMBER: E00817

UNIT ID: 07 PRIUS

REPORT DATE: 1/19/2010

CLIENT ID:

CODE: 44/286

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.
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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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