OIL REPORT

LAB NUMBER: D66338 **UNIT ID:** 04 PRIUS
REPORT DATE: 2/23/2009 **CLIENT ID:** 31535
CODE: 20/286 **PAYMENT:** Prepaid

UNIT

MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-cyl
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 5W/30
OIL USE INTERVAL: 11,606 Miles

CLIENT

BRUCE ALVAREZ
52 CENTRAL AVE
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COMMENTS

BRUCE: We recommended 8000 miles but you went ahead and ran the oil all the way up to 11,600 miles...and the engine barely even noticed. Wear has changed very little, and we don't think you've found the ceiling yet on how long you can run the oil in your Prius. There was more fuel in this sample than the last, but maybe you've been idling more during these winter months. That often explains fuel. We'll let you know if it's still there next time, but it should improve. The TBN read 4.1, still some active additive left. Try 13K miles next time. Great engine!

ELEMENTS IN PARTS PER MILLION

	MI/HR on Oil	11,606	UNIT / LOCATION AVERAGES	7,400					UNIVERSAL AVERAGES
	MI/HR on Unit	84,329		62,471					
	Sample Date	01/31/09		03/15/08					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	6	5	4					3
	CHROMIUM	0	0	0					0
	IRON	13	12	11					8
	COPPER	1	1	1					1
	LEAD	0	0	1					0
	TIN	0	0	0					0
	MOLYBDENUM	91	90	88					73
	NICKEL	0	0	0					0
	MANGANESE	1	1	0					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					0
	POTASSIUM	1	1	2					1
	BORON	38	38	39					50
	SILICON	13	13	12					14
	SODIUM	10	9	6					14
	CALCIUM	2322	2351	2408					2309
	MAGNESIUM	14	14	13					23
	PHOSPHORUS	643	655	678					636
	ZINC	827	821	810					768
	BARIUM	1	1	1					0

PROPERTIES

			Values Should Be*					
	SUS Viscosity @ 210°F	55.0	55-62	57.4				
	cSt Viscosity @ 100°C	8.77	8.8-11.1	9.47				
	Flashpoint in °F	**320**	>365	**360**				
	Fuel %	**2.3**	<2.0	TR				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.3	<0.6	0.4				
	TBN	4.1		3.7				
	TAN							
	ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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