



P.O. NUMBER
CODE:

UNIT NUMBER 07 PRIUS
REPORT DATE: 10/2/07
LAB NUMBER: D18732

OIL REPORT

CLIENT	CONTACT:	PHONE:
	NAME: WINSTON	FAX:
	ADDRESS:	E-MAIL:

UNIT	EQUIPMENT MAKE: Toyota	OIL USE INTERVAL: 2,750 Miles
	EQUIPMENT MODEL: 1.5L (1NZFXE) 4-cyl	OIL TYPE & GRADE: Motorcraft 5W/20
	FUEL TYPE: Gasoline (Unleaded)	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS WINSTON: You can see the improvement that the oil change brought. All wear improved and this came after running this oil a little longer than the last. Your 1.5L engine is maturing nicely and soon it should wear at or close to universal average levels. The minor amount of fuel isn't a problem and is likely due to city driving/idling. No coolant or moisture found. Insolubles (oil oxidation due to heat, use and blow-by) were low at 0.2%, showing good oil filtration. At 5,020 miles we think your engine is passing through break-in nicely. We have no problems to report.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	2,750	UNIT / LOCATION AVERAGES	2,272						
	MI/HR ON UNIT	5,020		2,272						UNIVERSAL AVERAGES
	SAMPLE DATE	08/26/07		06/30/07						
	ALUMINUM	2	3	4						3
	CHROMIUM	0	0	0						0
	IRON	4	5	6						8
	COPPER	13	34	54						1
	LEAD	0	1	1						0
	TIN	0	0	0						0
	MOLYBDENUM	37	46	55						71
	NICKEL	0	0	0						0
	MANGANESE	0	1	1						1
	SILVER	0	0	0						0
	TITANIUM	0	0	0						0
	POTASSIUM	1	2	3						1
	BORON	131	67	2						56
	SILICON	33	68	102						14
	SODIUM	2	2	2						7
	CALCIUM	1753	1540	1327						2292
	MAGNESIUM	9	8	6						29
	PHOSPHORUS	581	531	480						624
	ZINC	686	631	576						725
	BARIUM	0	1	2						0

PROPERTIES	TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100 °C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
	VALUES SHOULD BE					48-58	>370	<2.0	0	0.0	<0.6
	TESTED VALUES WERE					52.6	360	0.5	0.0	0.0	0.2