



P.O. NUMBER Prepaid
 CODE: 20/16893/121

UNIT NUMBER 2001 PRIUS
 REPORT DATE: 5/3/07
 LAB NUMBER: D04148

OIL REPORT

CLIENT	CONTACT:	PHONE: (210) 695-9796
	NAME: DOUG SCHAEFER	FAX:
	ADDRESS: 19203 SCENIC LOOP ROAD HELOTES, TX 78023	E-MAIL: DougSchaefer@scientist.com

UNIT	EQUIPMENT MAKE: Toyota	OIL USE INTERVAL: 12,050 Miles
	EQUIPMENT MODEL: 1.5L (1NZFXE) 4-cyl	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS
 DOUG: This oil was run ~1,000 miles longer than the last and wear didn't change at all. That's one of the best indicators we know of that an engine is operated and maintained well. The TBN read 1.8, which shows little active additive remaining. 1.0 is too low for extended use, though we think you could have squeezed another 1,000 miles out of this oil. Fuel at 1.0% isn't a problem and is likely from city driving/idling. No other harmful contaminants were found and the air and oil filters are working well. Everything looks good at 104,540 miles. Nice engine!

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	12,050	UNIT / LOCATION AVERAGES	11,000	7,500	12,900	7,400	UNIVERSAL AVERAGES
	MI/HR ON UNIT	104,540		92,500	78,000	69,700	64,200	
	SAMPLE DATE	04/18/07		07/31/06	07/20/05	01/15/05	10/05/04	
ALUMINUM	6	4	6	3	3	3	3	3
CHROMIUM	0	0	0	0	0	0	0	0
IRON	14	11	14	8	10	9	8	8
COPPER	1	1	1	0	1	0	1	1
LEAD	0	0	0	0	0	0	0	0
TIN	0	0	0	0	0	0	0	0
MOLYBDENUM	77	63	82	62	53	41	64	64
NICKEL	0	0	0	0	0	0	0	0
MANGANESE	0	0	0	0	1	0	1	1
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	0	0
POTASSIUM	0	2	3	1	1	3	1	1
BORON	51	79	69	104	77	92	60	60
SILICON	17	12	14	9	9	10	14	14
SODIUM	3	5	7	5	6	6	7	7
CALCIUM	2367	2553	2363	2658	2521	2856	2337	2337
MAGNESIUM	14	13	12	16	11	11	33	33
PHOSPHORUS	633	661	634	718	667	651	627	627
ZINC	812	799	807	846	750	782	723	723
BARIIUM	0	0	0	0	1	0	0	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					55-62	>365	<2.0	0.0	0.0	<0.6
	TESTED VALUES WERE					56.5	345	1.0	0.0	0.0	0.4