

UNIT

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

OIL TYPE & GRADE: Mobil 1 5W/30 EP
OIL USE INTERVAL: 11,934 Miles

CLIENT

COMMENTS

DAVID: Everything looks good in the first sample from your Prius. You ran this oil almost 12,000 miles and all wear read around averages. Those averages are based on an oil run of ~6,800 miles for this type of engine, so your engine is wearing better than most considering the long oil change. The TBN read 2.4, so this oil still has lots of active additive remaining. 1.0 is too low. No fuel or coolant found and air and oil filtration look good. Since you're interested in longer oil changes and your engine looks great, we suggest going to 13K-14K miles for the next sample.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	11,934	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Unit	64,462							
Sample Date	06/22/08							
Make Up Oil Added	0.5 qt							
ALUMINUM	3	3						3
CHROMIUM	0	0						0
IRON	11	11						8
COPPER	1	1						1
LEAD	0	0						0
TIN	1	1						0
MOLYBDENUM	79	79						69
NICKEL	1	1						0
MANGANESE	0	0						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	1	1						1
BORON	46	46						53
SILICON	18	18						14
SODIUM	6	6						8
CALCIUM	2576	2576						2355
MAGNESIUM	15	15						24
PHOSPHORUS	681	681						643
ZINC	880	880						764
BARIUM	1	1						0

Values
Should Be*

PROPERTIES

SUS Viscosity @ 210°F	61.2	56-63				
cSt Viscosity @ 100°C	10.55	9.1-11.3				
Flashpoint in °F	385	>365				
Fuel %	<0.5	<2.0				
Antifreeze %	0.0	0				
Water %	0.0	0.0				
Insolubles %	0.3	<0.6				
TBN	2.4					
TAN						
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE