



OIL REPORT

LAB NUMBER: F20694
 REPORT DATE: 9/19/2012
 CODE: 20/75

UNIT ID: 10 PRIUS
 CLIENT ID: 38814
 PAYMENT: CC: Visa

| | | |
|-------------|---|--------------------------------|
| UNIT | MAKE/MODEL: Toyota 1.8L 4-cyl (2ZR-FXE) (Prius) | OIL TYPE & GRADE: 0W/20 |
| | FUEL TYPE: Gasoline (Unleaded) | OIL USE INTERVAL: 10,261 Miles |
| | ADDITIONAL INFO: | |

| | |
|---------------|-----------------------|
| CLIENT | PHONE: [REDACTED] |
| | FAX: [REDACTED] |
| | ALT PHONE: [REDACTED] |
| | EMAIL: [REDACTED] |

COMMENTS GABOR: Another 10,000 miles down the road, and your Prius still seems to be getting along just fine! Wear metals have stayed nice and low over the last 10 months, so mechanically, we don't see any problems here. There was a small amount of fuel dilution (seen by the low flashpoint), but 0.8% isn't what we consider a problem level. The viscosity was significantly higher than before, reading more like a 5W/30 than a 0W/20. Is it possible a thicker oil was used? If so, this isn't a problem, since wear wasn't affected. No other issues were found. Nice report overall!

| | UNIT / LOCATION AVERAGES | | 10,000 | | 5,103 | | UNIVERSAL AVERAGES |
|--------------------------------------|--------------------------|----------|----------|----------|-------|-----|--------------------|
| | MI/HR on Oil | 10,261 | 30,000 | 5,103 | | | |
| | MI/HR on Unit | 40,336 | 11/12/11 | 11/25/09 | | | |
| | Sample Date | 09/08/12 | | | | | |
| | Make Up Oil Added | 0 qts | 0 qts | 0 qts | | | |
| ELEMENTS IN PARTS PER MILLION | ALUMINUM | 7 | 6 | 7 | 4 | | 7 |
| | CHROMIUM | 0 | 0 | 0 | 0 | | 0 |
| | IRON | 8 | 11 | 11 | 14 | | 14 |
| | COPPER | 1 | 16 | 2 | 45 | | 3 |
| | LEAD | 0 | 0 | 0 | 1 | | 0 |
| | TIN | 0 | 2 | 6 | 1 | | 1 |
| | MOLYBDENUM | 105 | 394 | 630 | 446 | | 174 |
| | NICKEL | 0 | 0 | 0 | 0 | | 0 |
| | MANGANESE | 0 | 0 | 0 | 1 | | 0 |
| | SILVER | 0 | 0 | 0 | 0 | | 0 |
| | TITANIUM | 0 | 0 | 0 | 0 | | 2 |
| | POTASSIUM | 2 | 2 | 2 | 2 | | 2 |
| | BORON | 8 | 43 | 65 | 56 | | 47 |
| | SILICON | 10 | 80 | 18 | 212 | | 17 |
| | SODIUM | 12 | 24 | 55 | 6 | | 21 |
| | CALCIUM | 2138 | 2239 | 2361 | 2218 | | 2086 |
| | MAGNESIUM | 21 | 14 | 11 | 10 | | 135 |
| | PHOSPHORUS | 590 | 657 | 736 | 644 | | 654 |
| ZINC | 697 | 721 | 840 | 626 | | 766 | |
| BARIUM | 0 | 1 | 0 | 3 | | 0 | |

Values Should Be*

| PROPERTIES | UNIT / LOCATION AVERAGES | | 10,000 | | 5,103 | | UNIVERSAL AVERAGES |
|-----------------------|--------------------------|---------|--------|-------|-------|--|--------------------|
| | MI/HR on Oil | 10,261 | 30,000 | 5,103 | | | |
| SUS Viscosity @ 210°F | 58.8 | 46-56 | 49.7 | 49.8 | | | |
| cSt Viscosity @ 100°C | 9.87 | 6.0-9.4 | 7.19 | 7.20 | | | |
| Flashpoint in °F | 370 | >385 | 395 | 370 | | | |
| Fuel % | 0.8 | <2.0 | <0.5 | <0.5 | | | |
| Antifreeze % | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Water % | 0.0 | <0.1 | 0.0 | 0.0 | | | |
| Insolubles % | 0.3 | <0.6 | 0.3 | 0.2 | | | |
| TBN | | | | | | | |
| TAN | | | | | | | |
| ISO Code | | | | | | | |

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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