



P.O. NUMBER: Prepaid
CODE: 1/20050/37

UNIT NUMBER: 96 LANDCRUIS
REPORT DATE: 9/8/05
LAB NUMBER: C54472

OIL REPORT

| | | |
|---------------|-----------------|---------|
| CLIENT | CONTACT: | PHONE: |
| | NAME: SCOTT T. | FAX: |
| | ADDRESS: | E-MAIL: |
| | SANTA CLARA, CA | |

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|-------------|-------------------------------------|---|
| UNIT | EQUIPMENT MAKE: Toyota | OIL USE INTERVAL: 2,800 Miles |
| | EQUIPMENT MODEL: 4.5L 6-cyl (1FZFE) | OIL TYPE & GRADE: Quaker State 10W/30 (Gas) |
| | FUEL TYPE: Gasoline (Unleaded) | MAKE-UP OIL ADDED: 0 qts |
| | ADDITIONAL INFO: | |

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| COMMENTS | SCOTT: If wear got much better, we would think this was virgin oil in your Land Cruiser. Universal averages show typical wear from this type of engine after 5000 miles on the oil. Your wear was lower than average and in the correct balance, showing no obvious problems. We did find a little bit of fuel dilution, which is common in engines that see a lot of city driving and/or idling. We don't consider it a problem until it reads above 2.0%. The fuel has lowered the viscosity a little, but we think a 30-minute highway trip prior to the next sample should eliminate fuel. |
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| ELEMENTS IN PARTS PER MILLION | MI/HR ON OIL | 2.800 | UNIT / LOCATION AVERAGES | | | | | | | |
| | MI/HR ON UNIT | 92.800 | | | | | | | | UNIVERSAL AVERAGES |
| | SAMPLE DATE | 07/30/05 | | | | | | | | |
| | ALUMINUM | 1 | 1 | | | | | | | 2 |
| | CHROMIUM | 0 | 0 | | | | | | | 0 |
| | IRON | 2 | 2 | | | | | | | 6 |
| | COPPER | 2 | 2 | | | | | | | 3 |
| | LEAD | 2 | 2 | | | | | | | 3 |
| | TIN | 1 | 1 | | | | | | | 1 |
| | MOLYBDENUM | 33 | 33 | | | | | | | 45 |
| | NICKEL | 0 | 0 | | | | | | | 0 |
| | MANGANESE | 0 | 0 | | | | | | | 1 |
| | SILVER | 0 | 0 | | | | | | | 0 |
| | TITANIUM | 0 | 0 | | | | | | | 0 |
| | POTASSIUM | 0 | 0 | | | | | | | 1 |
| | BORON | 125 | 125 | | | | | | | 58 |
| | SILICON | 9 | 9 | | | | | | | 9 |
| | SODIUM | 2 | 2 | | | | | | | 4 |
| | CALCIUM | 1777 | 1777 | | | | | | | 2471 |
| | MAGNESIUM | 7 | 7 | | | | | | | 58 |
| | PHOSPHORUS | 517 | 517 | | | | | | | 836 |
| | ZINC | 638 | 638 | | | | | | | 1014 |
| | BARIUM | 0 | 0 | | | | | | | 0 |

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| 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 | | | | | 59-65 | >375 | <2.0 | 0 | <0.1 | <0.6 |
| | TESTED VALUES WERE | | | | | 57.3 | 340 | 1.8 | 0.0 | 0.0 | 0.3 |