



P.O. NUMBER CC: Visa
CODE: 1/12280/37

OIL REPORT

UNIT NUMBER 1-DIRTY
REPORT DATE: 3/14/03
LAB NUMBER: B90996

CLIENT
 JimR's 1999 A6 2.8 Avant ATF transmission oil sampling results (33k miles on sample). Two samples were taken, one from the drained transmission fluid. The car had 63k miles on it, and a transmission service (filter and fluid) was performed at 30k miles. Therefore, this is the second transmission service performed on this car. The second test (labeled clean/new) was a sample of new Audi ATF fluid.

UNIT
 EQUIPMENT MAKE: Transmission
 EQUIPMENT MODEL: Audi Automatic
 FUEL TYPE: Not Applicable
 ADDITIONAL INFO: Audi A6 2.8L
 OIL USE INTERVAL:
 OIL TYPE & GRADE: Auto Transmission Fluid
 MAKE-UP OIL ADDED:

COMMENTS
 JAMES: This is an interesting comparison. If you look at the next report (the clean sample), you can see where this ATF started out. Very clean, no metals. This used sample is abrasive enough that we recommend changing it out. We don't necessarily think your transmission has a problem (though we can't rule that out). Without knowing how long this oil has been in place, we can't say for sure what's going on. Metals and insolubles show the oil is oxidized and abrasive and should be changed out. Suggest resampling in 20,000 miles on fresh oil.

| M/HR ON OIL | M/HR ON UNIT | SAMPLE DATE | 03/02/03 | AVERAGES | LOCATION | UNIT / | ↑ |
|-------------|--------------|-------------|----------|----------|----------|--------|---|
| ALUMINIUM | 70 | 35 | 0 | | | | |
| CHROMIUM | 0 | 0 | 0 | | | | |
| IRON | 136 | 68 | 0 | | | | |
| COPPER | 78 | 39 | 0 | | | | |
| LEAD | 17 | 9 | 0 | | | | |
| TIN | 7 | 4 | 0 | | | | |
| MOLYBDENUM | 0 | 0 | 0 | | | | |
| NICKEL | 0 | 0 | 0 | | | | |
| MANGANESE | 8 | 4 | 0 | | | | |
| SILVER | 0 | 0 | 0 | | | | |
| TITANIUM | 0 | 0 | 0 | | | | |
| POTASSIUM | 3 | 2 | 0 | | | | |
| BORON | 92 | 106 | 120 | | | | |
| SILICON | 8 | 5 | 2 | | | | |
| SODIUM | 4 | 2 | 0 | | | | |
| CALCIUM | 32 | 30 | 27 | | | | |
| MAGNESIUM | 1 | 1 | 0 | | | | |
| PHOSPHORUS | 248 | 252 | 256 | | | | |
| ZINC | 6 | 4 | 1 | | | | |
| BARIUM | 2 | 1 | 0 | | | | |

| 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 TESTED | | | | | | | | | | |
| VALUES WERE | | | | | | 47.4 | - | - | 0.0 | 0.5 |

PROPERTIES OF CLEAN SAMPLE
 415 (51.3) 415 (0.0)