



P.O. NUMBER CC: Visa  
 CODE: 20/17941/121

UNIT NUMBER WRX  
 REPORT DATE: 2/15/05  
 LAB NUMBER: C37823

## OIL REPORT

|               |          |         |
|---------------|----------|---------|
| <b>CLIENT</b> | CONTACT: | PHONE:  |
|               | NAME:    | FAX:    |
|               | ADDRESS: | E-MAIL: |

|             |                                |   |
|-------------|--------------------------------|---|
| <b>UNIT</b> | EQUIPMENT MAKE: Subaru         | OIL USE INTERVAL: 4,747 Miles             |
|             | EQUIPMENT MODEL: 2.0L Turbo    | OIL TYPE & GRADE: Amsoil Synthetic 10W/30 |
|             | FUEL TYPE: Gasoline (Unleaded) | MAKE-UP OIL ADDED: 0 qts                  |
|             | ADDITIONAL INFO: EJ            |   |

**COMMENTS** GUSTAVE: With wear this good after the 4,747 mile oil use run, you may want to save your money and stay with the oil you were using. Universal averages show typical wear metals for an oil from this type of engine after about 4,835 miles run on the oil. Your oil use was just short of that and all wear but copper beat universal average wear levels. Copper is not high enough to be a concern. Air and oil filtration look okay. No gas, moisture or anti-freeze found. The TBN was 4.1, so you have miles to go still on the oil change interval. Try 5,500 miles for the next sample.

| <b>ELEMENTS IN PARTS PER MILLION</b> | MI/HR ON OIL  | 4,747    | <b>UNIT / LOCATION AVERAGES</b> |  |  |  |  |  |      | <b>UNI VERSAL AVERAGES</b> |
|--------------------------------------|---------------|----------|---------------------------------|--|--|--|--|--|------|----------------------------|
|                                      | MI/HR ON UNIT | 71,353   |                                 |  |  |  |  |  |      |                            |
|                                      | SAMPLE DATE   | 02/01/05 |                                 |  |  |  |  |  |      |                            |
| ALUMINUM                             | 3             | 3        |                                 |  |  |  |  |  | 4    |                            |
| CHROMIUM                             | 1             | 1        |                                 |  |  |  |  |  | 1    |                            |
| IRON                                 | 6             | 6        |                                 |  |  |  |  |  | 9    |                            |
| COPPER                               | 8             | 8        |                                 |  |  |  |  |  | 4    |                            |
| LEAD                                 | 1             | 1        |                                 |  |  |  |  |  | 4    |                            |
| TIN                                  | 0             | 0        |                                 |  |  |  |  |  | 1    |                            |
| MOLYBDENUM                           | 25            | 25       |                                 |  |  |  |  |  | 68   |                            |
| NICKEL                               | 0             | 0        |                                 |  |  |  |  |  | 0    |                            |
| MANGANESE                            | 0             | 0        |                                 |  |  |  |  |  | 0    |                            |
| SILVER                               | 0             | 0        |                                 |  |  |  |  |  | 0    |                            |
| TITANIUM                             | 0             | 0        |                                 |  |  |  |  |  | 0    |                            |
| POTASSIUM                            | 0             | 0        |                                 |  |  |  |  |  | 1    |                            |
| BORON                                | 43            | 43       |                                 |  |  |  |  |  | 101  |                            |
| SILICON                              | 11            | 11       |                                 |  |  |  |  |  | 7    |                            |
| SODIUM                               | 2             | 2        |                                 |  |  |  |  |  | 7    |                            |
| CALCIUM                              | 1705          | 1705     |                                 |  |  |  |  |  | 2598 |                            |
| MAGNESIUM                            | 538           | 538      |                                 |  |  |  |  |  | 115  |                            |
| PHOSPHORUS                           | 776           | 776      |                                 |  |  |  |  |  | 778  |                            |
| ZINC                                 | 916           | 916      |                                 |  |  |  |  |  | 923  |                            |
| BARIUM                               | 0             | 0        |                                 |  |  |  |  |  | 0    |                            |

| <b>PROPERTIES</b> | 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 |                       |                        |                 |                        | 62.1                   | 385              | <0.5   | 0.0          | 0.0     | 0.4          |