



# OIL REPORT

LAB NUMBER: G18333      UNIT ID: 09 C25  
 REPORT DATE: 6/24/2014      CLIENT ID: 73975  
 CODE: 20/501      PAYMENT: Prepaid

|             |                                  |   |
|-------------|----------------------------------|---|
| <b>UNIT</b> | MAKE/MODEL: Porsche 3.8L H-6 DFI | OIL TYPE & GRADE: Motul 8100 X-Cess 5W/40 |
|             | FUEL TYPE: Gasoline (Unleaded)   | OIL USE INTERVAL: 3,200 Miles             |
|             | ADDITIONAL INFO:                 |   |

|               |                   |                            |
|---------------|-------------------|----------------------------|
| <b>CLIENT</b> | MANUEL ORTA       | PHONE: (305) 345-5929      |
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**COMMENTS** MANUEL: You've got a really nice sample here, taken after 1 year or 3,200 miles on the oil. Universal averages show typical wear for this type of Porsche engine after about 4,300 miles on the oil. This oil saw a shorter run, but that's okay because metals are all lower than averages, accordingly indicating no problems in the works. No contamination like fuel, moisture, coolant, or abrasive contamination was found. The viscosity looks good, and the TBN shows active additive left at 5.8 since 1.0 or less is low. Nice report. Try up to 5,500 miles, regardless of calendar time.

| <b>ELEMENTS IN PARTS PER MILLION</b> | MI/HR on Oil      | 3,200    | <b>UNIT / LOCATION AVERAGES</b> |  |  |  |      | <b>UNIVERSAL AVERAGES</b> |
|--------------------------------------|-------------------|----------|---------------------------------|--|--|--|------|---------------------------|
|                                      | MI/HR on Unit     | 35,447   |                                 |  |  |  |      |                           |
|                                      | Sample Date       | 06/14/14 |                                 |  |  |  |      |                           |
|                                      | Make Up Oil Added | 0.75 qts |                                 |  |  |  |      |                           |
| ALUMINUM                             | 2                 | 2        |                                 |  |  |  | 5    |                           |
| CHROMIUM                             | 0                 | 0        |                                 |  |  |  | 0    |                           |
| IRON                                 | 6                 | 6        |                                 |  |  |  | 11   |                           |
| COPPER                               | 2                 | 2        |                                 |  |  |  | 14   |                           |
| LEAD                                 | 0                 | 0        |                                 |  |  |  | 1    |                           |
| TIN                                  | 0                 | 0        |                                 |  |  |  | 1    |                           |
| MOLYBDENUM                           | 2                 | 2        |                                 |  |  |  | 83   |                           |
| NICKEL                               | 0                 | 0        |                                 |  |  |  | 1    |                           |
| MANGANESE                            | 0                 | 0        |                                 |  |  |  | 2    |                           |
| SILVER                               | 0                 | 0        |                                 |  |  |  | 0    |                           |
| TITANIUM                             | 1                 | 1        |                                 |  |  |  | 0    |                           |
| POTASSIUM                            | 0                 | 0        |                                 |  |  |  | 3    |                           |
| BORON                                | 52                | 52       |                                 |  |  |  | 143  |                           |
| SILICON                              | 2                 | 2        |                                 |  |  |  | 4    |                           |
| SODIUM                               | 4                 | 4        |                                 |  |  |  | 7    |                           |
| CALCIUM                              | 2492              | 2492     |                                 |  |  |  | 2872 |                           |
| MAGNESIUM                            | 20                | 20       |                                 |  |  |  | 39   |                           |
| PHOSPHORUS                           | 855               | 855      |                                 |  |  |  | 913  |                           |
| ZINC                                 | 962               | 962      |                                 |  |  |  | 1025 |                           |
| BARIUM                               | 0                 | 0        |                                 |  |  |  | 0    |                           |

Values Should Be\*

|                   |                       |       |           |  |  |  |  |
|-------------------|-----------------------|-------|-----------|--|--|--|--|
| <b>PROPERTIES</b> | SUS Viscosity @ 210°F | 68.0  | 65-78     |  |  |  |  |
|                   | cSt Viscosity @ 100°C | 12.42 | 11.6-15.3 |  |  |  |  |
|                   | Flashpoint in °F      | 400   | >375      |  |  |  |  |
|                   | Fuel %                | <0.5  | <2.0      |  |  |  |  |
|                   | Antifreeze %          | 0.0   | 0.0       |  |  |  |  |
|                   | Water %               | 0.0   | <0.1      |  |  |  |  |
|                   | Insolubles %          | 0.1   | <0.6      |  |  |  |  |
|                   | TBN                   | 5.8   | >1.0      |  |  |  |  |
|                   | TAN                   |       |           |  |  |  |  |
|                   | ISO Code              |       |           |  |  |  |  |

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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