



OIL REPORT

LAB NUMBER: F52418
 REPORT DATE: 5/2/2013
 CODE: 63/75

UNIT ID: 79 928
 CLIENT ID: 39615
 PAYMENT: CC: Visa

| | | |
|-------------|--------------------------------|--|
| UNIT | MAKE/MODEL: Porsche 4.5L V8 | OIL TYPE & GRADE: Amsoil Racing 15W/50 |
| | FUEL TYPE: Gasoline (Unleaded) | OIL USE INTERVAL: 7 Hours |
| | ADDITIONAL INFO: | |

| | | |
|---------------|----------------------|--------------------------|
| CLIENT | BRIAN DOTY | PHONE: (209) 351-0635 |
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| | | |

COMMENTS BRIAN: The only metal that's been giving us any problems over the last few reports for your 928 is lead, but we're glad to see that it started to come down a bit in this latest sample. Most other wear metals improved slightly as well, which is a pretty good sign since this oil was run the same amount of hours as the previous sample. As we've noted in the past, lead typically comes from bearings (assuming you haven't been using any leaded racing fuel), so it's an important metal to watch, but hopefully it will come down some more next time. Change the oil and check back.

| ELEMENTS IN PARTS PER MILLION | MI/HR on Oil | 7 | UNIT / LOCATION AVERAGES | 7 | 2 | 3 | | | UNIVERSAL AVERAGES |
|--------------------------------------|-------------------|----------|--------------------------|----------|----------|----------|--|------|---------------------------|
| | MI/HR on Unit | 20 | | 13 | | | | | |
| | Sample Date | 04/28/13 | | 12/07/12 | 09/22/12 | 05/04/12 | | | |
| | Make Up Oil Added | 2 qts | | 2 qts | 0 qts | 0 qts | | | |
| ALUMINUM | 7 | 8 | 8 | 7 | 10 | | | 5 | |
| CHROMIUM | 3 | 4 | 3 | 3 | 5 | | | 1 | |
| IRON | 14 | 20 | 16 | 20 | 28 | | | 16 | |
| COPPER | 6 | 9 | 7 | 6 | 16 | | | 15 | |
| LEAD | 11 | 10 | 14 | 6 | 7 | | | 2 | |
| TIN | 3 | 2 | 2 | 3 | 0 | | | 1 | |
| MOLYBDENUM | 1 | 2 | 3 | 2 | 2 | | | 73 | |
| NICKEL | 4 | 4 | 4 | 4 | 5 | | | 1 | |
| MANGANESE | 0 | 1 | 1 | 0 | 1 | | | 3 | |
| SILVER | 0 | 0 | 0 | 0 | 0 | | | 0 | |
| TITANIUM | 0 | 1 | 1 | 1 | 0 | | | 0 | |
| POTASSIUM | 0 | 2 | 3 | 5 | 1 | | | 4 | |
| BORON | 16 | 20 | 17 | 19 | 28 | | | 90 | |
| SILICON | 4 | 5 | 4 | 4 | 6 | | | 7 | |
| SODIUM | 7 | 5 | 5 | 5 | 4 | | | 9 | |
| CALCIUM | 1964 | 2016 | 2182 | 2193 | 1723 | | | 2481 | |
| MAGNESIUM | 30 | 63 | 46 | 41 | 134 | | | 93 | |
| PHOSPHORUS | 1385 | 1376 | 1382 | 1492 | 1244 | | | 888 | |
| ZINC | 1610 | 1606 | 1648 | 1777 | 1389 | | | 1042 | |
| BARIUM | 1 | 1 | 1 | 0 | 1 | | | 0 | |

Values Should Be*

| | | | | | | | |
|-------------------|-----------------------|-------|-----------|-------|-------|-------|--|
| PROPERTIES | SUS Viscosity @ 210°F | 79.5 | 79-92 | 77.4 | 80.3 | 76.8 | |
| | cSt Viscosity @ 100°C | 15.40 | 15.3-18.7 | 14.88 | 15.61 | 14.71 | |
| | Flashpoint in °F | 410 | >390 | 420 | 450 | 390 | |
| | Fuel % | <0.5 | <2.0 | <0.5 | <0.5 | TR | |
| | Antifreeze % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Water % | 0.0 | <0.1 | 0.0 | 0.0 | 0.0 | |
| | Insolubles % | 0.3 | <0.6 | 0.3 | 0.4 | 0.3 | |
| | TBN | | | | | | |
| | TAN | | | | | | |
| | ISO Code | | | | | | |

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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