



OIL REPORT

LAB NUMBER: D62649
REPORT DATE: 1/6/2009
CODE: 20/286

UNIT ID: BLUE GOLF
CLIENT ID: 31407
PAYMENT: CC: Visa

| | | |
|------|---|--|
| UNIT | MAKE/MODEL: Volkswagen 1.9L Turbo (TDI) | OIL TYPE & GRADE: Mobil Delvac 1 5W/40 |
| | FUEL TYPE: Diesel | OIL USE INTERVAL: 9,400 Miles |
| | ADDITIONAL INFO: | |

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|--------|---------------------|--------------------------|
| CLIENT | ANUTHEE HUFFSTETTER | PHONE: |
| | 214 FORD ST | FAX: |
| | GOLDEN, CO 80403 | ALT PHONE: |
| | | EMAIL: anuthee@gmail.com |

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| COMMENTS | ANUTHEE: So far your Golf is handling the climate change well. This oil has been in place 9400 miles, compared to the 30K you ran the last, but at this point you can definitely go longer. Take it all the way up to 20K and we'll reassess at that point. Iron may read higher, with the in-town driving, but everything else should stay low. The TBN is strong at 7.3, and we found no fuel or antifreeze in the oil. Are you used to the smell of hops (Coors) yet? I used to climb at Table Mtn, back in the day before I discovered the glory of oil analysis and moved to Indiana. --Kristin |
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|-------------------------------|-------------------|----------|--------------------------------|----------|----------|--|--|--|-----------------------|
| ELEMENTS IN PARTS PER MILLION | MI/HR on Oil | 9,400 | UNIT / LOCATION AVERAGES | 30,000 | 20,000 | | | | UNIVERSAL AVERAGES |
| | MI/HR on Unit | 136,380 | | 127,000 | 117,000 | | | | |
| | Sample Date | 12/18/08 | | 08/03/08 | 05/23/08 | | | | |
| | Make Up Oil Added | 0 qts | | 1 qt | 1 qt | | | | |
| | ALUMINUM | 3 | 5 | 6 | 5 | | | | 5 |
| | CHROMIUM | 1 | 2 | 3 | 3 | | | | 2 |
| | IRON | 23 | 38 | 53 | 37 | | | | 36 |
| | COPPER | 2 | 4 | 5 | 4 | | | | 4 |
| | LEAD | 1 | 1 | 2 | 1 | | | | 2 |
| | TIN | 0 | 1 | 1 | 1 | | | | 1 |
| | MOLYBDENUM | 3 | 3 | 3 | 4 | | | | 14 |
| | NICKEL | 0 | 1 | 2 | 2 | | | | 1 |
| | MANGANESE | 0 | 1 | 1 | 1 | | | | 1 |
| | SILVER | 0 | 0 | 0 | 0 | | | | 0 |
| | TITANIUM | 0 | 0 | 0 | 0 | | | | 0 |
| | POTASSIUM | 1 | 3 | 4 | 4 | | | | 3 |
| | BORON | 41 | 28 | 19 | 25 | | | | 29 |
| | SILICON | 8 | 11 | 12 | 12 | | | | 5 |
| | SODIUM | 4 | 7 | 10 | 6 | | | | 7 |
| | CALCIUM | 2487 | 2650 | 2694 | 2770 | | | | 2518 |
| | MAGNESIUM | 518 | 540 | 566 | 536 | | | | 178 |
| | PHOSPHORUS | 1066 | 1171 | 1252 | 1195 | | | | 942 |
| | ZINC | 1309 | 1474 | 1615 | 1498 | | | | 1128 |
| | BARIUM | 0 | 0 | 0 | 0 | | | | 0 |

Values
Should Be*

| | | | | | | | | |
|------------|-----------------------|-------|-----------|-------|-------|--|--|--|
| PROPERTIES | SUS Viscosity @ 210°F | 73.0 | 67-78 | 92.5 | 75.2 | | | |
| | cSt Viscosity @ 100°C | 13.75 | 12.1-15.3 | 18.58 | 14.31 | | | |
| | Flashpoint in °F | 460 | >415 | 475 | 425 | | | |
| | Fuel % | <0.5 | <2.0 | <0.5 | <0.5 | | | |
| | Antifreeze % | 0.0 | 0 | 0.0 | 0.0 | | | |
| | Water % | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | Insolubles % | 0.4 | <0.8 | 0.4 | 0.3 | | | |
| | TBN | 7.3 | | 2.2 | 3.5 | | | |
| | TAN | | | | | | | |
| | ISO Code | | | | | | | |

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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