| BORATORIES | OIL | | |
|------------|--------|--|--|
| BORATORIES | REPORT | | |
| | | | |

LAB NUMBER: D95225 **REPORT DATE:** 11/18/2009 **CODE:** 41/284

UNIT ID: N3212T **CLIENT ID: 23123** PAYMENT: CC: Discover

| LABOR | ATORI | ES) | | C | ODE: 41/284 | | PAYME | NT: CC: Dis | cover |
|--|---|--|--|--|---|--|--|----------------------|----------|
| MAKE/MOD FUEL TYPE ADDITIONA | , , | | | | | | eroshell W100 Hours |) (AD) | |
| 1621 HAMP | 1621 HAMPTON PLACEFAORANGE PARK, FL 32003AL | | | | : (904) 813-0 ONE: chuck@mo | | | | |
| too worried was marked aren't all fac Unit/Locatio | about ther d as steel, ctory steel, on average | n. We had th so we don't l we think the s show norm | d iron have b is engine do know exactly y are the cau al wear level any problem | wn as having what type of use for the ur Is from your | nickel cylin cylinders ar nusual wear | ders and this e installed, b and isn't not | time the cyl out as long as a concern. | inder type s they | |
| MI/HR on Oil | | 24 | | 29 | 19 | 19 | 8 | 20 | |
| MI/HR on Unit | | 293 | UNIT / | 2,332 | 242 | 223 | 2,265 | 216 | |
| Sample Date | | 11/08/09 | | 06/17/09 | 01/22/09 | | | 12/20/07 | AVERAGES |
| Make Up Oil Ad | dded | 0 qts | AVERAGES | | 1 qt | 0 qts | 0 qts | 0 qt | |
| | | | | | | | | | |
| ALUMINUM | | 8 | 8 | 5 | 9 | 13 | 4 | 9 | 5 |
| ALUMINUM CHROMIUM IRON | | 38 | 40 | 39 | 52 | 49 | 17 | 38 | 6 |
| IRON | | 42 | 42 | 36 | 40 | 60 | 13 | 42 | 23 |
| COPPER | | 6 | 9 | 7 | 6 | 7 | 4 | 10 | 5 |
| | | 2406 | 1887 | 2622 | 1486 | 1510 | 766 | 1573 | 2560 |
| TIN | | 0 | 2 | 0 | 1 | 4 | 0 | 1 | 1 |
| MOLYBDENU | M | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 4 | 3 | 4 | 2 | 3 | 1 | 2 | 2 |
| NICKEL MANGANESE | | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ΤΙΤΑΝΙΙΙΜ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POTASSIUM | | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| BORON | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POTASSIUM BORON SILICON | | 8 | 9 | 8 | 7 | 10 | 6 | 12 | 5 |
| SODIUM | | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| CALCIUM | | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 4 |
| MAGNESIUM | | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 |
| PHOSPHORUS | S | 1 | 120 | 338 | 14 | 169 | 0 | 0 | 443 |
| ZINC | | 2 | 4 | 5 | 2 | 2 | 0 | 2 | 4 |
| BARIUM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | - | Values Should Be* | | | | | | |
| SUS Viscosity | @ 210°F | 88.5 | | 92.9 | 88.3 | 90.3 | 86.9 | 91.1 | |
| cSt Viscosity @ | | 17.62 | 17.0-21.8 | 18.68 | 17.58 | | | 18.25 | |
| | | 490 | | 470 | 520 | | 495 | 510 | |
| Flashpoint in °F Fuel % Antifreeze % Water % Insolubles % TBN | | <0.5 | | <0.5 | <0.5 | | <0.5 | <0.5 | |
| Antifreeze % | | | <1.0 | | | | | | |
| Water % | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Insolubles % | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| TBN | | 0.3 | <0.0 | 0.4 | 0.2 | 0.4 | 0.0 | 0.4 | |
| | | | | | | | | | |

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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TAN ISO Code

LIABILITY LIMITED TO COST OF ANALYSIS