OIL ANALYSIS REPORT

PARDO 38 SEA BUILDER VOLVO PENTA A 110134 - PORT DIESEL ENGINE

Sample No: VPA049910

Oil Type: VOLVO

SAMPLE INFORMATION

| Sample Number | | VPA049910 | | |
|------------------|----------|-------------|------|--|
| Sample Date | | 18 Oct 2023 | | |
| Machine Hours | | 331 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Not Changd | | |
| Sample Status | | ABNORMAL | | |
| | | | | |
| OIL CONDITION | | | | |
| Visc @ 100°C | cSt | 12.8 | | |
| Base Number (BN) | mg KOH/g | 8.5 | | |
| . , | | _ | | |
| Oxidation (PA) | % | 81 | | |
| CONTAMINATION | | | | |
| CONTAMINATION | | | | |
| Soot % | % | 0.4 | | |
| Nitration (PA) | % | 69 | | |
| Sulfation (PA) | % | 61 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | 38 | | |
| Sodium | ppm | 7 | | |
| Potassium | ppm | 6 | | |
| | | | | |

WEAR METALS

| Iron | ppm | 71 | | |
|------------|-----|-----------|------|--|
| Copper | ppm | 33 | | |
| Lead | ppm | 12 | | |
| Tin | ppm | 4 | | |
| Aluminum | ppm | 44 | | |
| Chromium | ppm | 6 | | |
| Molybdenum | ppm | 41 | | |
| Nickel | ppm | <u> </u> | | |
| Titanium | ppm | □ <1 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 2 | | |
| Vanadium | ppm | <1 | | |

ADDITIVES

| Calcium | ppm | 1563 | | |
|------------|-----|--------|------|--|
| Magnesium | ppm | 533 | | |
| Zinc | ppm | 🔲 1154 | | |
| Phosphorus | ppm | 930 | | |
| Barium | ppm | ■ <1 | | |
| Boron | ppm | 30 | | |

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: JEF BURKE midijef@gmail.com;canastasio@wearcheckusa.com T: F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The nickel level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP694356

 Unique No:
 10709770

 Signed:
 Jonathan Hester

 Report Date:
 25 Oct 2023

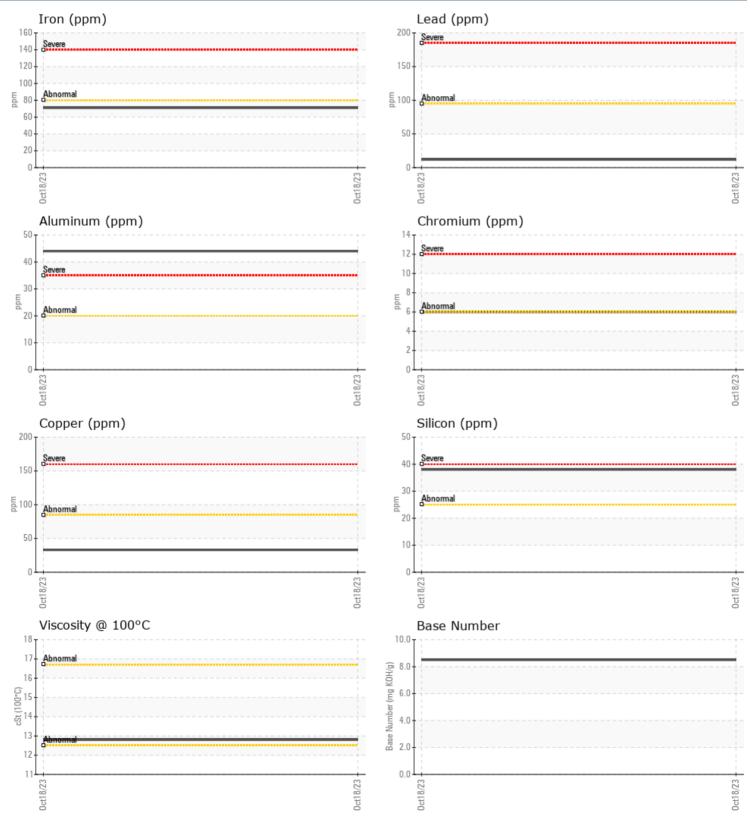
Contact/Location: JEF BURKE - VP694356



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP694356 [WUSCAR] 05987108 (Generated: 10/25/2023 19:21:58) Rev: 1

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