OIL ANALYSIS REPORT

GO-CRAISER VOLVO PENTA 70112043146 - PORT DIESEL ENGINE

Sample No: VPA049890

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

| Sample Number | | VPA049890 | | |
|------------------|----------|-------------|------|--|
| Sample Date | | 12 Oct 2023 | | |
| Machine Hours | | 42 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | N/A | | |
| Sample Status | | NORMAL | | |
| | | | | |
| OIL CONDITION | | | | |
| Visc @ 100°C | cSt | 13.4 | | |
| Base Number (BN) | mg KOH/g | 10.3 | | |
| Oxidation (PA) | % | 52 | | |
| CONTAMINATION | | | | |
| | | | | |
| Soot % | % | 0 | | |
| Nitration (PA) | % | 36 | | |
| Sulfation (PA) | % | 49 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | □7 | | |
| Sodium | ppm | 0 | | |
| Potassium | ppm | 1 | | |
| | | | | |

WEAR METALS

| Iron | ppm | 0 | | |
|------------|-----|--------------|------|--|
| Copper | ppm | ■ <1 | | |
| Lead | ppm | ■ <1 | | |
| Tin | ppm | ■ <1 | | |
| Aluminum | ppm | <1 | | |
| Chromium | ppm | 0 | | |
| Molybdenum | ppm | 56 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | <1 | | |
| Manganese | ppm | ■ <1 | | |
| Vanadium | ppm | 0 | | |

ADDITIVES

| Calcium | ppm | 972 | | |
|------------|-----|-------------|------|--|
| Magnesium | ppm | 944 | | |
| Zinc | ppm | 1272 | | |
| Phosphorus | ppm | 1041 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 4 | | |

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086 F: (954)761-1186

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. 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 acceptable for the time in service.

 Depot:
 VP694356

 Unique No:
 10741291

 Signed:
 Don Baldridge

 Report Date:
 16 Nov 2023

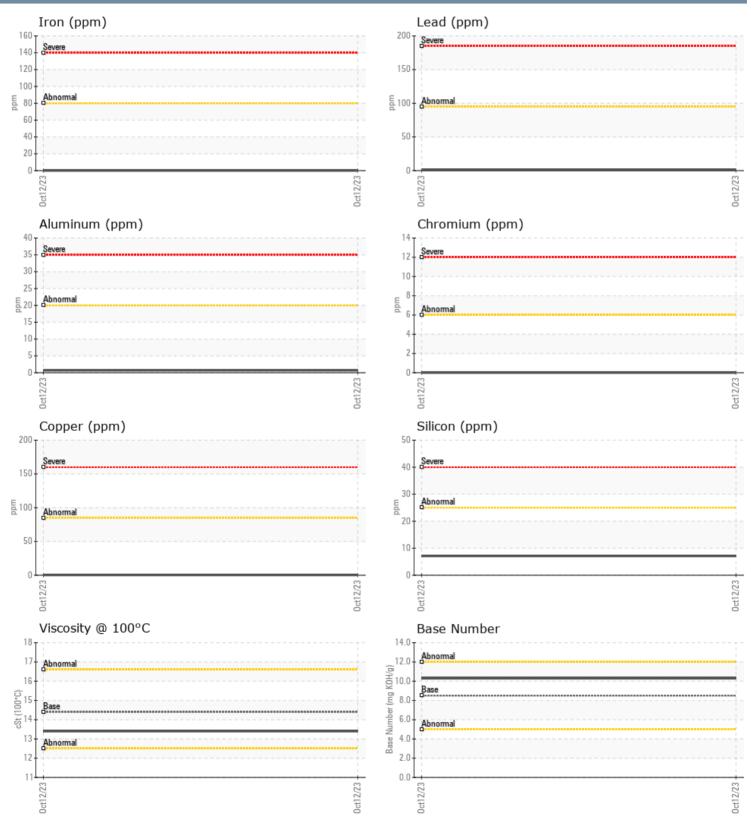
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OIL ANALYSIS REPORT



GRAPHS



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