OIL ANALYSIS REPORT

JOHN CHRISTIANSON DANIEL/502605 VOLVO PENTA A1078898 - PORT DIESEL ENGINE

Sample No: VPA059353

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION Sample Number VPA059353 20 Dec 2023 Sample Date Machine Hours 248 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.7 Base Number (BN) mg KOH/g 8.0 Oxidation (PA) % 59 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 78 % Sulfation (PA) 52 NEG Glycol % % Fuel <1.0 Silicon 8 ppm Sodium ppm 2 Potassium **||** <1 ppm WEAR METALS **1**9 Iron ppm 10 Copper ppm Lead 3 ppm Tin ■ <1 ppm Aluminum ppm 4 Chromium ppm <1 Molybdenum 7 ppm Nickel ppm 2 Titanium ppm 0 🔲 Silver ppm 0 Manganese **||** <1 ppm Vanadium 0 ppm

| ADDITIVES | | | | |
|------------|-----|------|------|--|
| Calcium | ppm | 1230 | | |
| Magnesium | ppm | 666 | | |
| Zinc | ppm | 804 | | |
| Phosphorus | ppm | 663 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 59 | | |

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

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.

Contact/Location: WILLOW YANARELLA - VP794951

VP794951

10805109

Don Baldridge

27 Dec 2023

Depot:

Signed:

Unique No:

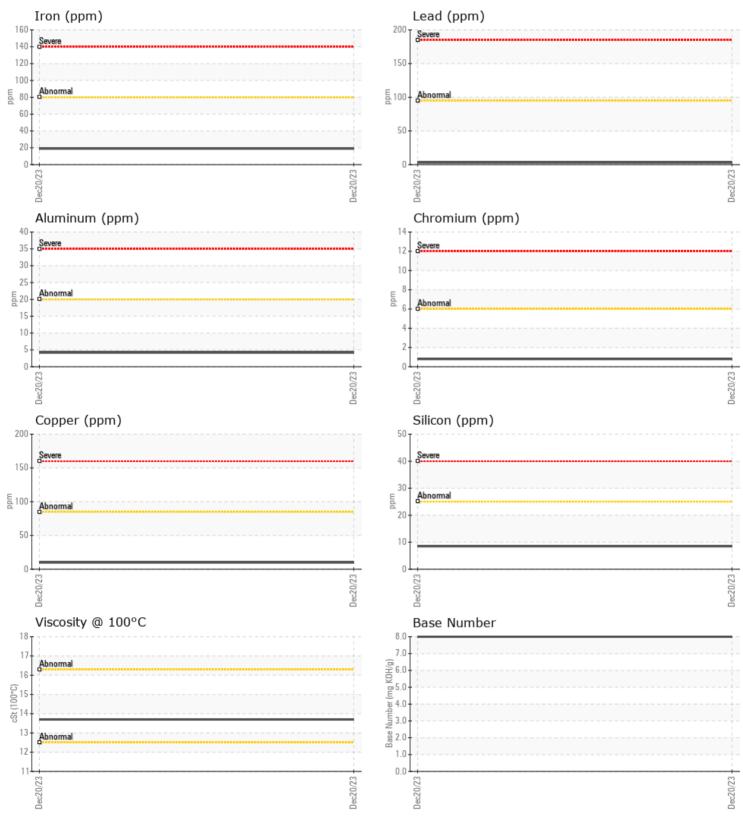
Report Date:



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GRAPHS



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