OIL ANALYSIS REPORT

MOE KRABBE PATRICK/501434-5250 VOLVO PENTA A769074 - PORT DIESEL ENGINE

Sample No: VPA045930

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION Sample Number VPA045930 Endor Marine LLC - Coastal Marine - 152124 30 Jun 2023 Sample Date 4300 11th Ave. NW Machine Hours 342 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 10.2 Oxidation (PA) % 55 CONTAMINATION Soot % % 0.1 % Nitration (PA) 43 Sulfation (PA) % 51 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 2 ppm Potassium ppm 0 🔲 WEAR METALS Iron ppm 8 Copper 2 ppm Lead ppm 0 Tin ■ <1 ppm Aluminum 2 ppm Chromium **||** < 1 ppm Molybdenum 59 ppm Nickel ■ <1 ppm Titanium ■<1 ppm Silver ppm 0 Manganese ■ <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 1166 ppm 1044 Magnesium ppm 1289 Zinc ppm Phosphorus ppm 1049 Barium ppm 0 Boron ppm 4

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 suitable for further service.

VP794951 Depot: Unique No: 10563361 Signed: Jonathan Hester **Report Date:** 20 Jul 2023

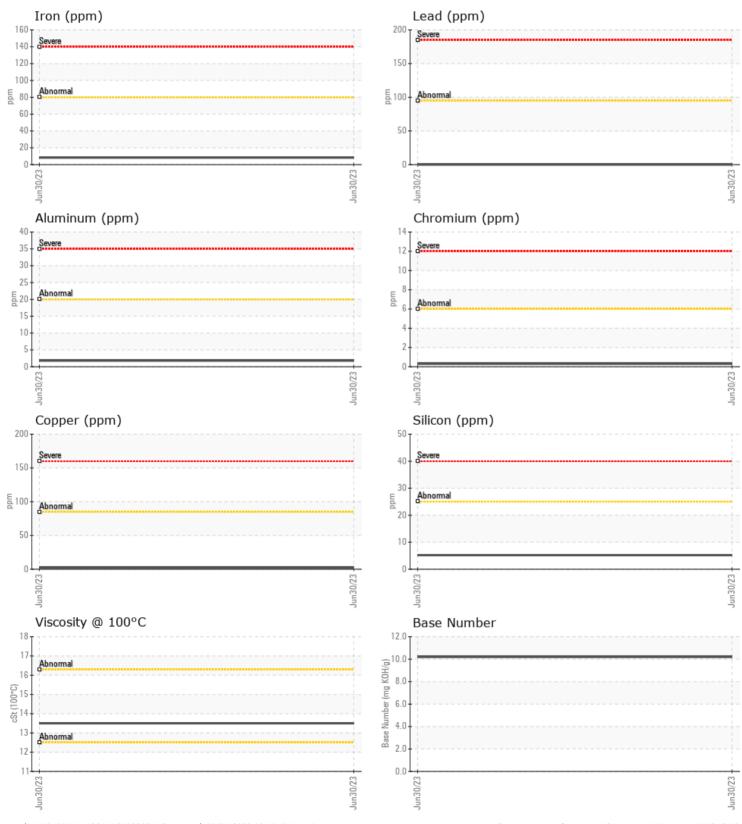
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VOLVO PENTA

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