OIL ANALYSIS REPORT

FRANK VANORDEN VOLVO PENTA 2071169308 - PORT DIESEL ENGINE

Sample No: VPA046201

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

SAMPLE INFORMATION VPA046201 Sample Number Saba Marine LLC Sample Date 23 Aug 2023 Machine Hours 0 46 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** 13.5 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.6 Oxidation (PA) % 54 CONTAMINATION Soot % % 0.4 % Nitration (PA) 43 Sulfation (PA) % 52 % Glycol NEG Fuel % <1.0 Silicon ppm 6 Sodium 2 ppm Potassium **4** ppm WEAR METALS Iron ppm 6 5 Copper ppm Lead ppm 2 Tin ■ <1 ppm Aluminum ppm ■ <1 Chromium 1 ppm Molybdenum 60 ppm Nickel 2 ppm Titanium **||** <1 ppm Silver ppm 0 Manganese **||** <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 1136 ppm 1022 Magnesium ppm **1360** Zinc ppm Phosphorus ppm 1070 Barium ppm 0 Boron ppm 2 Depot:

390 Prim Rd COLCHESTER, VT US 05446 Contact: JT ASARESE PARTS@SABAMARINEVT.COM T: (802)863-1148 F: (802)863-8201

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.

VP751561

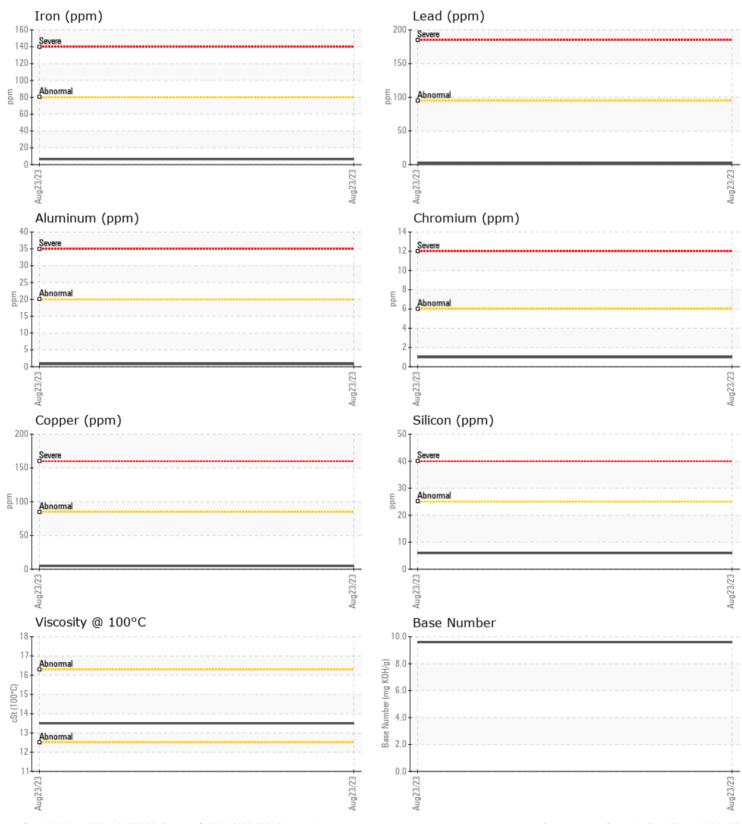
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GRAPHS



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