OIL ANALYSIS REPORT

S3 MARINE DANIEL/502505 VOLVO PENTA A977271 - PORT DIESEL ENGINE

Sample No: VPA059034

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION Sample Number VPA059034 22 Nov 2023 Sample Date Machine Hours 208 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 50 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 61 % Sulfation (PA) 48 Glycol % NEG Fuel % <1.0 Silicon 6 ppm Sodium ppm 3 Potassium **||** <1 ppm WEAR METALS 16 Iron ppm 5 Copper ppm Lead ■ <1 ppm Tin 0 ppm Aluminum ppm 3 Chromium ppm <1 Molybdenum ppm 2 Nickel ■<1 ppm Titanium ppm 0 🔲 Silver ppm 0 Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1332 ppm Magnesium 700 ppm Zinc ppm 808 Phosphorus ppm 727 Barium 0 ppm Boron ppm 88

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.

 Depot:
 VP794951

 Unique No:
 10765799

 Signed:
 Don Baldridge

 Report Date:
 03 Dec 2023

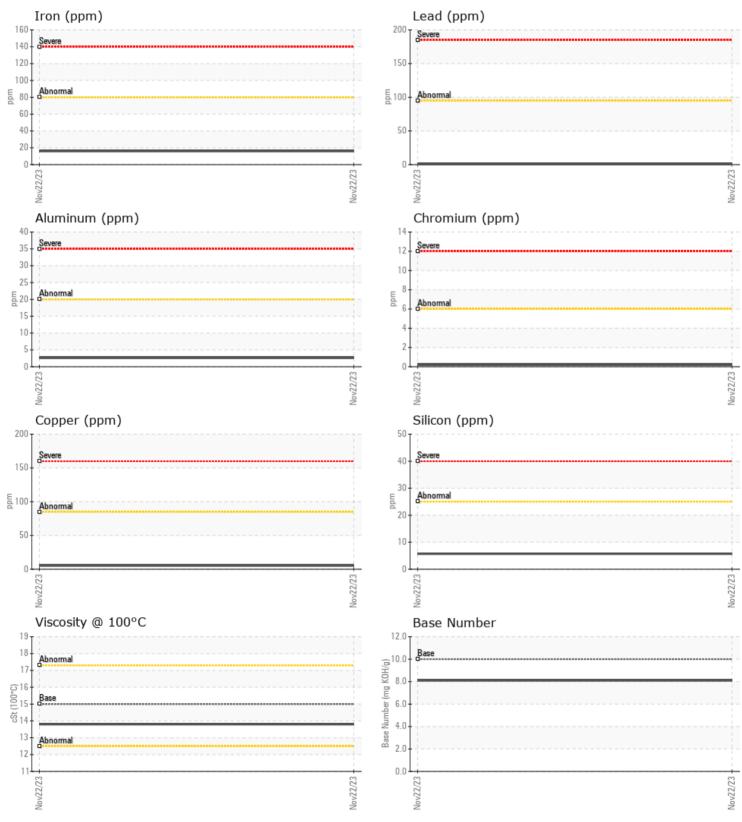
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GRAPHS



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