OIL ANALYSIS REPORT

SURVEY ANAPOLIS YC DOUG NELSON VOLVO PENTA 2006021825 - PORT DIESEL ENGINE

VPA037160 Sample No:

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA037160 VPA017167 Sample Number Suncoast Diesel Marine Inc. Sample Date 31 Jul 2023 18 May 2018 Machine Hours 502 375 0 **Oil Hours** 0 N/A Oil Changed Not Changd NORMAL Sample Status NORMAL **OIL CONDITION** 13.5 Visc @ 100°C cSt 13.34 Base Number (BN) mg KOH/g 9.8 Oxidation (PA) % 59 44 CONTAMINATION Soot % % 0.4 0.1 % Nitration (PA) 53 50 Sulfation (PA) % 54 ■42 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 6 4 Sodium 1 8 ppm Potassium ppm **||** <1 16 WEAR METALS 30 19 Iron ppm 2 Copper 1 ppm < 1 Lead ppm 0 Tin ■ <1 0 ppm Aluminum 9 17 ppm 1 Chromium 1 ppm Molybdenum 61 59 ppm Nickel ■ <1 1 ppm Titanium 0 🔲 < 1 ppm Silver ppm 0 0 Manganese ■ <1 < 1 ppm Vanadium 0 0 ppm ADDITIVES Calcium 1081 1100 ppm Magnesium 1031 1013 ppm 1078 Zinc ppm 1334 Phosphorus ppm 1105 974 Barium ppm 0 0 Boron ppm 2 8

610 Mount Vernan St OLDSMAR, FL US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

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.

VP945077 Depot: Unique No: 10586908 Signed: Don Baldridge **Report Date:** 05 Aug 2023

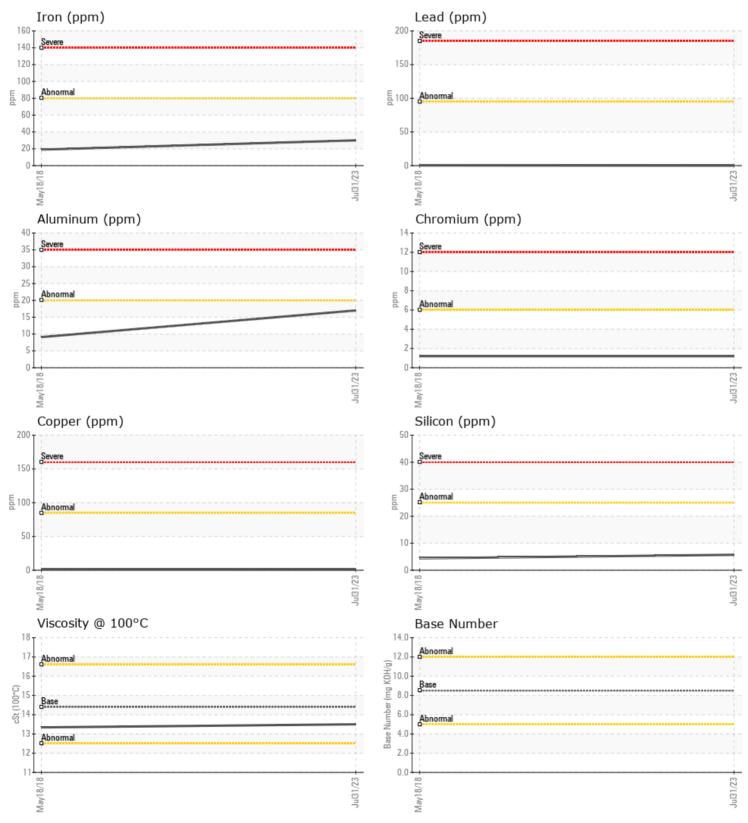
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GRAPHS



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