OIL ANALYSIS REPORT

SURVEY JOHNSON SURVEY JOHNSON VOLVO PENTA A 155185 - STARBOARD DIESEL ENGINE

VPA044341 Sample No:

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA044341 Sample Number Suncoast Diesel Marine Inc. Sample Date 04 Apr 2024 610 Mount Vernan St Machine Hours 867 **Oil Hours** 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.7 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) % 55 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 42 % Sulfation (PA) 50 Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium **||** <1 ppm Potassium 2 ppm WEAR METALS Iron 4 ppm **||** <1 Copper ppm Lead ppm 0 Tin 0 ppm Aluminum 1 ppm Chromium ppm 0 Molybdenum 59 ppm Nickel 0 ppm Titanium ppm **||** <1 0 Silver ppm Manganese 0 🔲 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1171 ppm Magnesium 1038 ppm Zinc ppm 1354 1082 Phosphorus ppm Barium 0 ppm Boron ppm 6

Depot: VP945077 Unique No: 10966847 Signed: Doug Bogart **Report Date:** 09 Apr 2024

Contact/Location: MARK WARREN - VP945077

OLDSMAR, FL

US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

Diagnosis

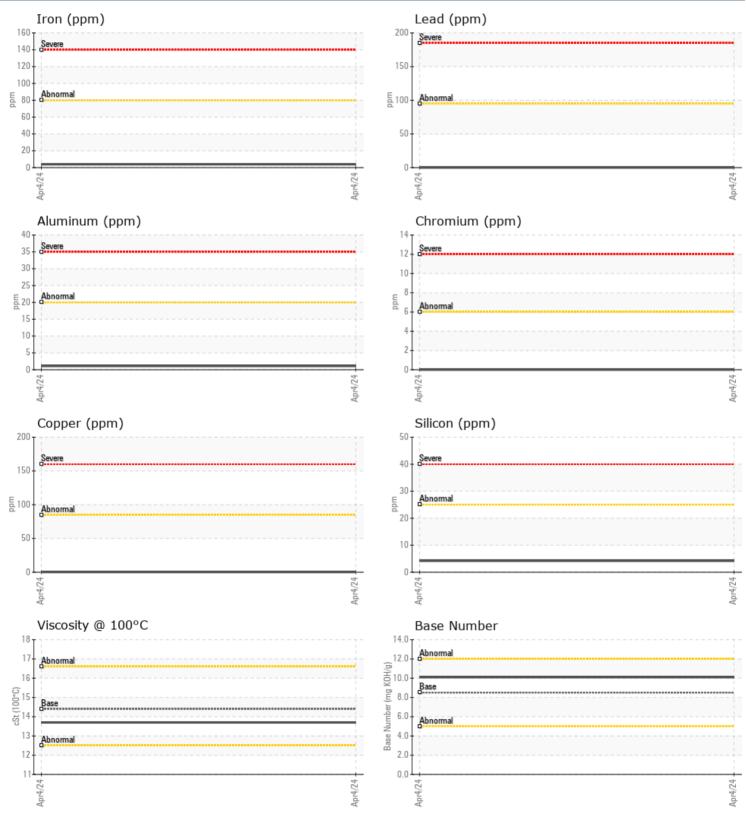
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



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GRAPHS



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