OIL ANALYSIS REPORT

VOLVO PENTA 7011471209 - STARBOARD DIESEL ENGINE

VPA047045 Sample No:

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA047045 Sample Number Sample Date 13 Dec 2023 Machine Hours 332 0 **Oil Hours** Oil Changed N/A ABNORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C **11.9** cSt Base Number (BN) mg KOH/g 9.0 Oxidation (PA) % 62 CONTAMINATION % NEG Water % Soot % 0.4 Nitration (PA) % 63 % Sulfation (PA) 57 Glycol % NEG Fuel % **4.5** Silicon 9 ppm Sodium 0 🔲 ppm Potassium 0 ppm WEAR METALS Iron 17 ppm 34 Copper ppm Lead ■ <1 ppm Tin 1 ppm Aluminum ppm 1 Chromium <1 ppm 60 🔲 Molybdenum ppm Nickel ■ <1</p> ppm Titanium ppm 0 🔲 Silver ■ <1 ppm Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1020 ppm Magnesium 943 ppm Zinc ppm 1272 Phosphorus ppm 1070 Barium 0 🔲 ppm Boron ppm 2

Depot: Unique No: 10802514 Signed: Jonathan Hester **Report Date:** 26 Dec 2023

Contact/Location: SERVICE MANAGER - VP705283

VP705283



SUNCOAST DIESEL MARINE 6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com

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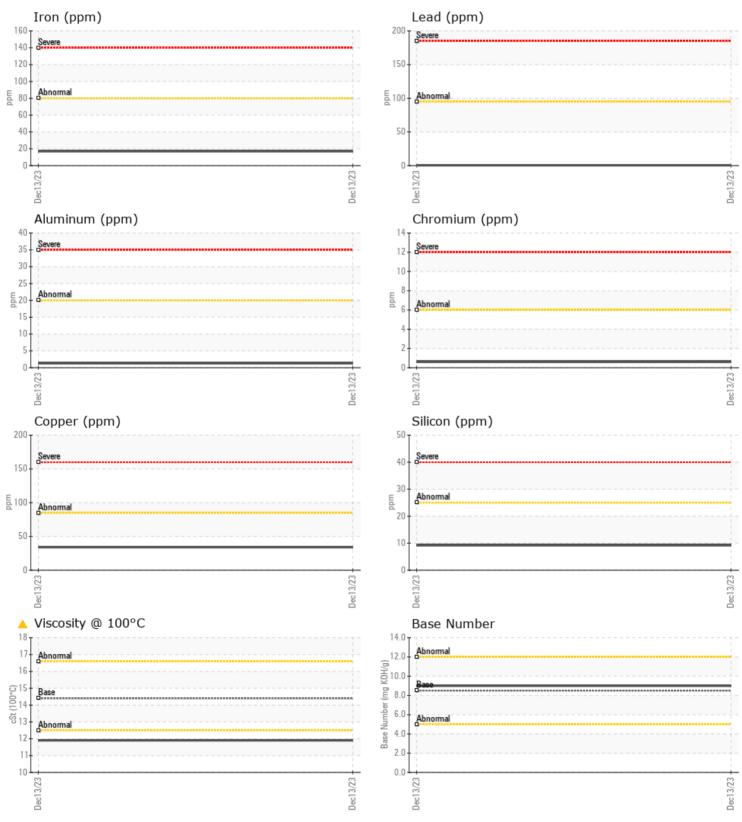
Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

OIL ANALYSIS REPORT



GRAPHS



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