## **OIL ANALYSIS REPORT**

#### **3506 OSPREY** VOLVO PENTA 7011202883 - STARBOARD DIESEL ENGINE

Sample No: VPA056450

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

#### SAMPLE INFORMATION VPA056450 Sample Number **GRAND BANKS** Sample Date 29 Jan 2024 Machine Hours 126 **Oil Hours** 0 Oil Changed Changed ATTENTION Sample Status **OIL CONDITION** F: Visc @ 100°C **11.6** cSt Base Number (BN) mg KOH/g 7.9 Oxidation (PA) % 47 CONTAMINATION Water % NEG % Soot % 0.4 Nitration (PA) % 62 Sulfation (PA) % 48 Glycol % NEG Fuel % **3.1** Silicon 40 ppm Sodium 2 ppm Potassium 5 ppm WEAR METALS Iron 25 ppm 108 Copper ppm Lead ppm **||** < 1 6 Tin ppm Aluminum ppm 4 Chromium <1 ppm Molybdenum ppm 68 Nickel ■ <1</p> ppm Titanium ppm **||** <1 Silver ■ <1 ppm Manganese **||** <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 2285 ppm **19** Magnesium ppm Zinc ppm 1043 Phosphorus ppm 942 Barium 0 ppm Boron ppm 166 Depot: Unique No: Signed:

450 SW SALEM RD

STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Report Date:** 14 Feb 2024 Contact/Location: ROBERT ANTONA - VP531377

VP531377

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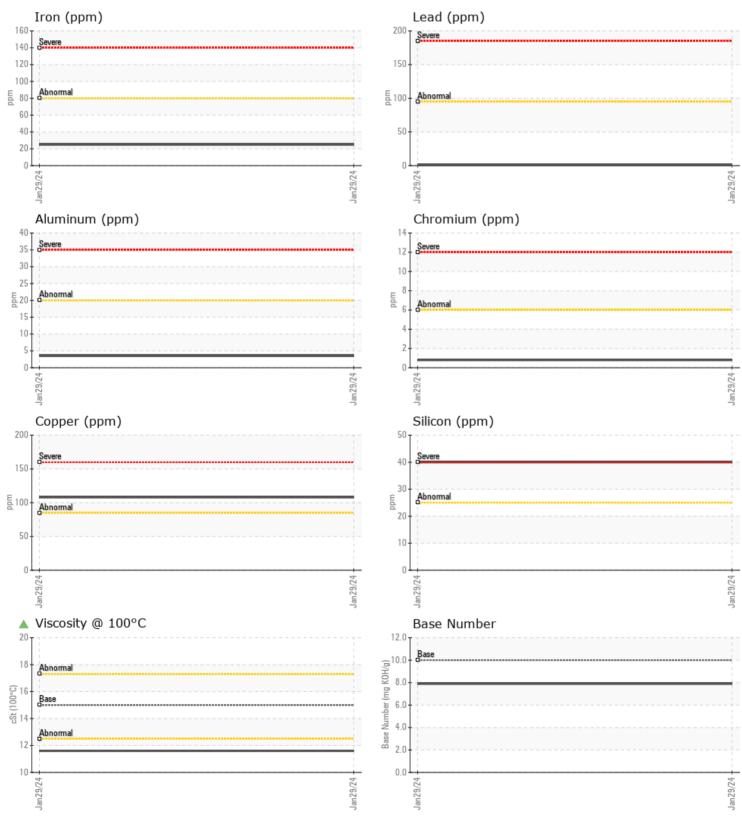
Sean Felton



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### GRAPHS



Report Id: VP531377 [WUSCAR] 06086811 (Generated: 02/14/2024 11:51:34) Rev: 1

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