OIL ANALYSIS REPORT

3815/60-19 VOLVO PENTA 20132048885 - STARBOARD DIESEL ENGINE

Sample No: VPA054067

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

SAMPLE INFORMATION VPA054067 Sample Number **GRAND BANKS** Sample Date 29 Apr 2024 Machine Hours 361 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 7.3 Oxidation (PA) % 55 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 54 % Sulfation (PA) 50 Glycol % NEG Fuel % <1.0 Silicon 11 ppm Sodium 0 🔲 ppm Potassium 4 ppm WEAR METALS Iron 8 ppm 10 Copper ppm Lead ■ <1 ppm Tin 2 ppm Aluminum ppm 3 Chromium ppm <1 Molybdenum 54 ppm Nickel 0 ppm Titanium ppm 0 🔲 Silver ppm 0 Manganese <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1131 ppm Magnesium 981 ppm Zinc ppm 1248 1091 Phosphorus ppm Barium ■<1 ppm Boron ppm 4 Depot:

Unique No: 11019444 Signed: Don Baldridge **Report Date:** 11 May 2024 Contact/Location: ROBERT ANTONA - VP531377

VP531377

450 SW SALEM RD

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

VOLVO PENTA

Diagnosis

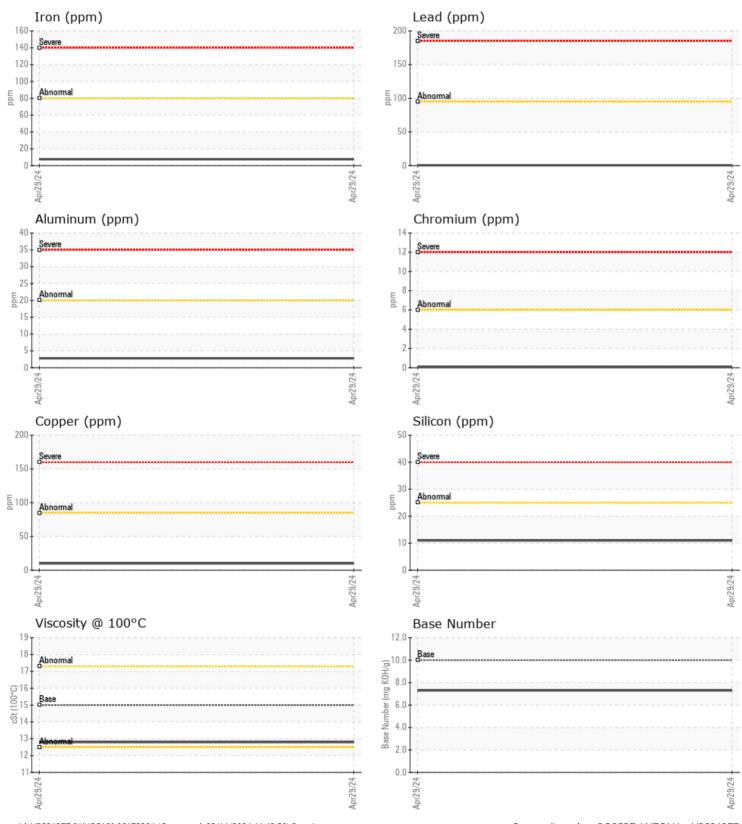
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

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GRAPHS



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