OIL ANALYSIS REPORT

BOND VOLVO PENTA A400026 - STARBOARD DIESEL ENGINE

Sample No: VPA052144

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA052144 Sample Number 20 Jun 2024 Sample Date Machine Hours 606 0 **Oil Hours** N/A Oil Changed NORMAL Sample Status **OIL CONDITION** F: 14.6 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 65 CONTAMINATION % NEG Water % Soot % 0.3 Nitration (PA) % 57 % Sulfation (PA) 57 Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium 6 🔲 ppm Potassium 9 ppm WEAR METALS 11 Iron ppm 3 Copper ppm Lead ppm 3 Tin ■ <1 ppm Aluminum ppm 4 Chromium ppm <1 18 Molybdenum ppm Nickel ■ <1</p> ppm Titanium ppm **||** <1 Silver ppm ■ <1 Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 2421 ppm Magnesium 145 ppm Zinc ppm 1298 Phosphorus ppm 1059 Barium 0 ppm Boron ppm **171**

VOLVO PENTA

FULL KEEL MARINE SERVICES 314 LEGION AVE ANNAPOLIS, MD US 21401 Contact: Service Manager FULLKEELMARINESERIVES@GMAIL.COM T: (410)507-3542

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 suitable for further service.

Depot: VP1298996 Unique No: Signed: **Report Date:**

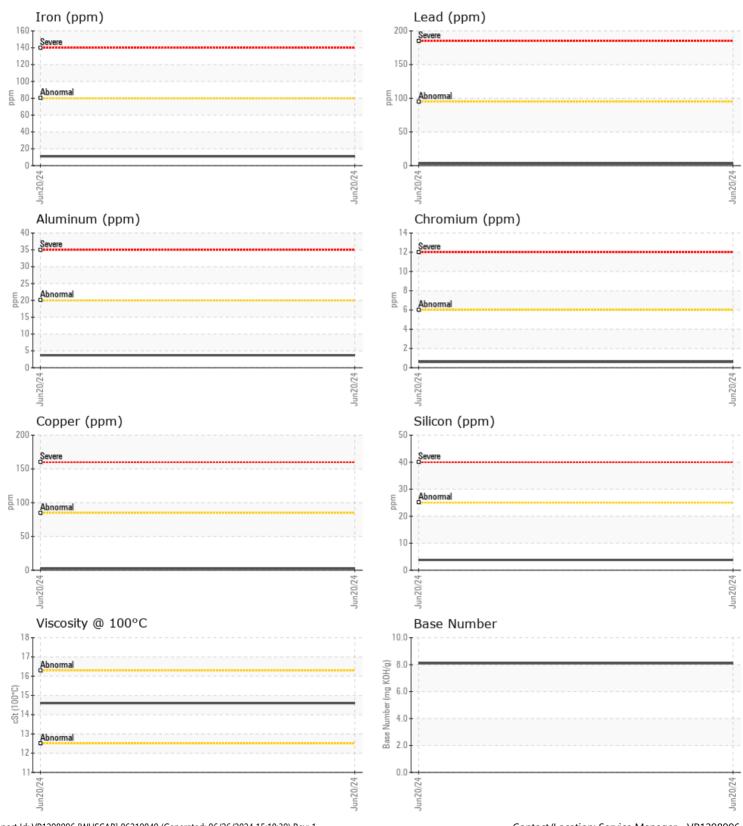
Contact/Location: Service Manager - VP1298996

11097246 Don Baldridge 26 Jun 2024

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GRAPHS



Report Id: VP1298996 [WUSCAR] 06219049 (Generated: 06/26/2024 15:10:39) Rev: 1

Contact/Location: Service Manager - VP1298996