## **OIL ANALYSIS REPORT**

### NEIL BOOK 505842 VOLVO PENTA 20132092396 - STARBOARD DIESEL ENGINE

Sample No: VPA052161

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

#### SAMPLE INFORMATION VPA052161 Sample Number 02 Feb 2024 Sample Date Machine Hours 220 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 7.1 Oxidation (PA) % 39 CONTAMINATION % Water NEG % Soot % 0.3 Nitration (PA) % 50 Sulfation (PA) % 43 Glycol % NEG Fuel % <1.0 Silicon 24 ppm Sodium **||** <1 ppm Potassium 15 ppm WEAR METALS 10 Iron ppm 3 Copper ppm Lead ppm 2 Tin 2 ppm Aluminum ppm 8 Chromium <1 ppm 43 Molybdenum ppm Nickel 0 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1744 ppm Magnesium 537 ppm Zinc ppm 1237 Phosphorus ppm 1078 Barium 0 🔲 ppm Boron ppm 31 Depot:

 Unique No:
 10874356

 Signed:
 Sean Felton

 Report Date:
 14 Feb 2024

Contact/Location: CORT CORINO - VP297371

VP297371



Jefferson Beach Yacht Sales Inc 24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: CORT CORINO ccorino@jbys.com T: (773)641-6947

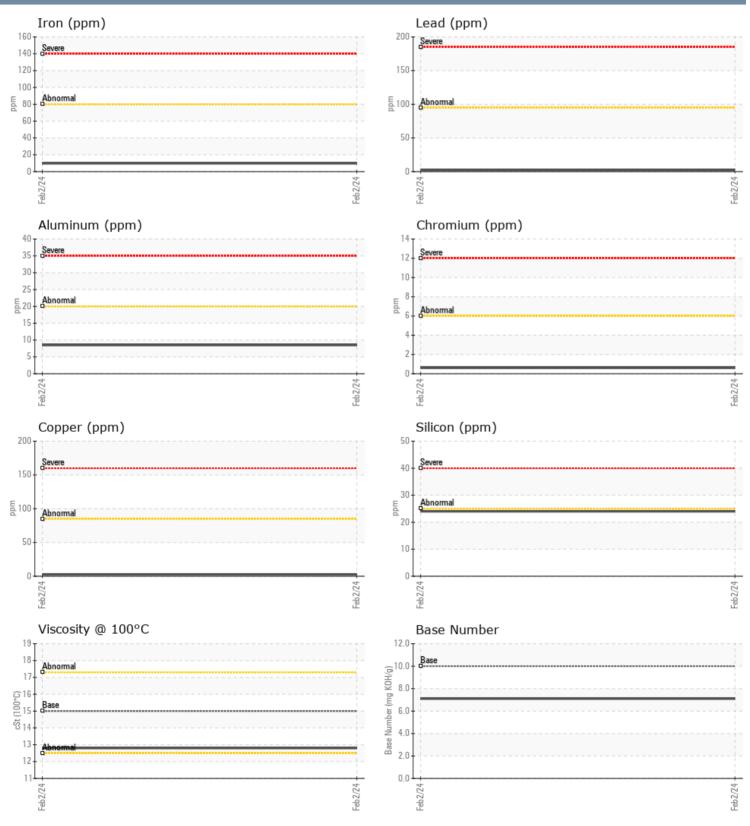
#### Diagnosis

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



Report Id: VP297371 [WUSCAR] 06086911 (Generated: 02/14/2024 12:10:27) Rev: 1

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