# **OIL ANALYSIS REPORT**

## LEE POLSTER VOLVO PENTA A 1147321 - STARBOARD DIESEL ENGINE

Sample No: VPA057011

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION Sample Number VPA057011 VPA044512 Sample Date 26 Nov 2023 21 Oct 2022 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed N/A Changed NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C 14.0 cSt 13.1 Base Number (BN) mg KOH/g 8.6 11.5 Oxidation (PA) % 62 62 CONTAMINATION NFG Water % NEG % Soot % 0.3 0.4 Nitration (PA) % 48 49 Sulfation (PA) % 56 58 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 7 20 ppm Sodium 2 3 ppm Potassium 6 🔲 2 ppm WEAR METALS Iron 10 17 ppm 10 17 Copper ppm Lead 8 ppm 4 Tin 3 ppm ■ <1 Aluminum 9 ppm 4 Chromium <1 2 ppm 14 Molybdenum 54 ppm Nickel 2 2 ppm Titanium ppm 0 🔲 0 Silver 0 0 ppm Manganese <1 1 ppm Vanadium ppm 0 0 **ADDITIVES** 1141 Calcium 1907 ppm Magnesium 234 847 ppm Zinc ppm 1244 1174 Phosphorus ppm 956 940 Barium 0 0 ppm Boron ppm 134 **1**1

#### **BAY MARINE**

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 F:

### 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:
 VP1174336

 Unique No:
 10762481

 Signed:
 Don Baldridge

 Report Date:
 29 Nov 2023

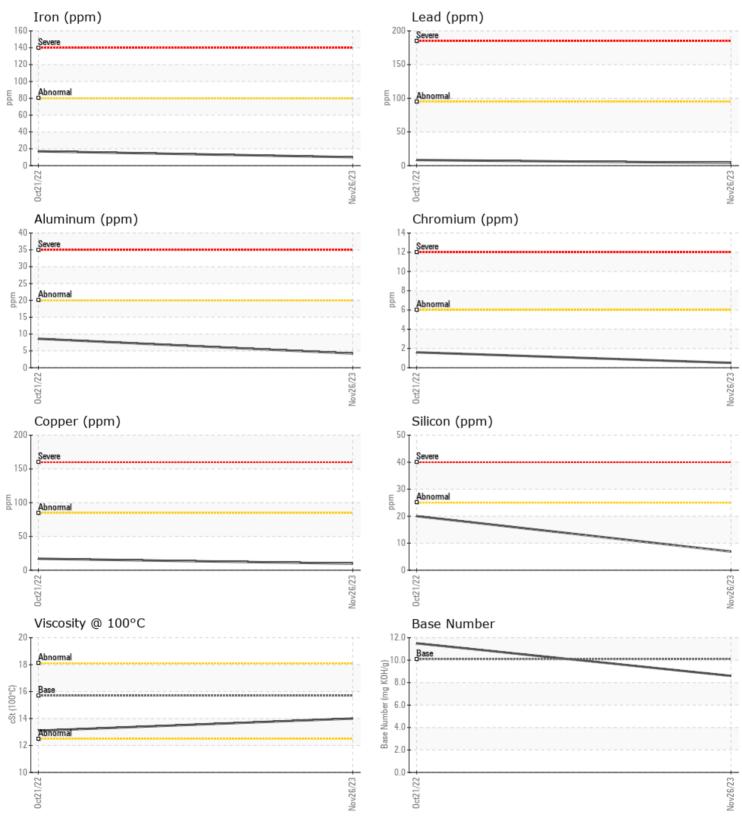
Contact/Location: BRENDAN COWHEY - VP1174336



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### GRAPHS



Report Id: VP1174336 [WUSCAR] 06017981 (Generated: 11/29/2023 16:56:04) Rev: 1

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