## **OIL ANALYSIS REPORT**

### RITTER VOLVO PENTA A978424 - STARBOARD DIESEL ENGINE

Sample No: VPA059501

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION VPA059501 Sample Number 19 Feb 2024 Sample Date Machine Hours 0 0 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.4 Base Number (BN) mg KOH/g 10.0 Oxidation (PA) % 58 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 51 % Sulfation (PA) 52 Glycol % NEG Fuel % <1.0 Silicon 6 ppm Sodium **||** <1 ppm Potassium 0 ppm WEAR METALS Iron 6 ppm **4** Copper ppm Lead ■ <1 ppm Tin ■ <1 ppm Aluminum **||** <1 ppm Chromium 0 ppm 58 Molybdenum ppm Nickel ■ <1 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 992 ppm Magnesium 962 ppm Zinc ppm 1236 1060 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 0

VOLVO PENTA

**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 acceptable for the time in service.

 Depot:
 VP1174336

 Unique No:
 10886740

 Signed:
 Don Baldridge

 Report Date:
 21 Feb 2024

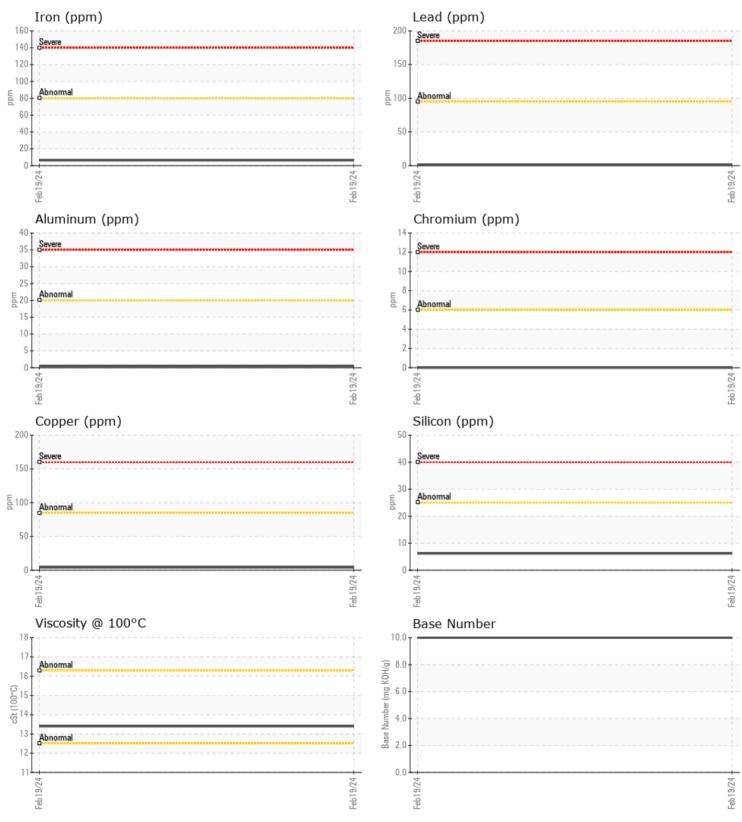
Report Id: VP1174336 [WUSCAR] 06093887 (Generated: 02/21/2024 15:49:04) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336

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#### GRAPHS



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