## **OIL ANALYSIS REPORT**

### MAX BACHARA VOLVO PENTA 7011399059 - PORT DIESEL ENGINE

Sample No: VPA059816

Oil Type: VALVOLINE 15W40

#### SAMPLE INFORMATION Sample Number VPA059816 VPA044513 Sample Date 29 Oct 2023 07 Nov 2022 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed N/A Changed NORMAL NORMAL Sample Status T: **OIL CONDITION** F: Visc @ 100°C cSt 13.4 13.4 Base Number (BN) mg KOH/g 10.5 8.7 Oxidation (PA) % 65 74 CONTAMINATION Soot % % 0.2 0.2 % Nitration (PA) 59 68 Sulfation (PA) % 53 60 % Glycol NEG NEG Fuel % <1.0 < 1.0 Silicon ppm 4 4 Sodium 2 2 ppm Potassium ppm 0 🔲 < 1 WEAR METALS Iron ppm ■ <1 3 11 Copper 8 ppm < 1 Lead ppm 0 Tin 0 <1 ppm < 1 Aluminum ppm ■ <1 <1 Chromium 0 ppm Molybdenum 44 44 ppm Nickel 0 <1 ppm Titanium 0 🔲 0 ppm Silver ppm 0 0 Manganese ■ <1 < 1 ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1027 1162 ppm 716 Magnesium 756 ppm 807 Zinc ppm 853 Phosphorus ppm 740 687 Barium ppm 3 0 44 Boron ppm 43

**BAY MARINE** 

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: NANCY FELHOFER NANCY.FELHOFER@BAYMARINE.NET T:

#### 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:
 10715301

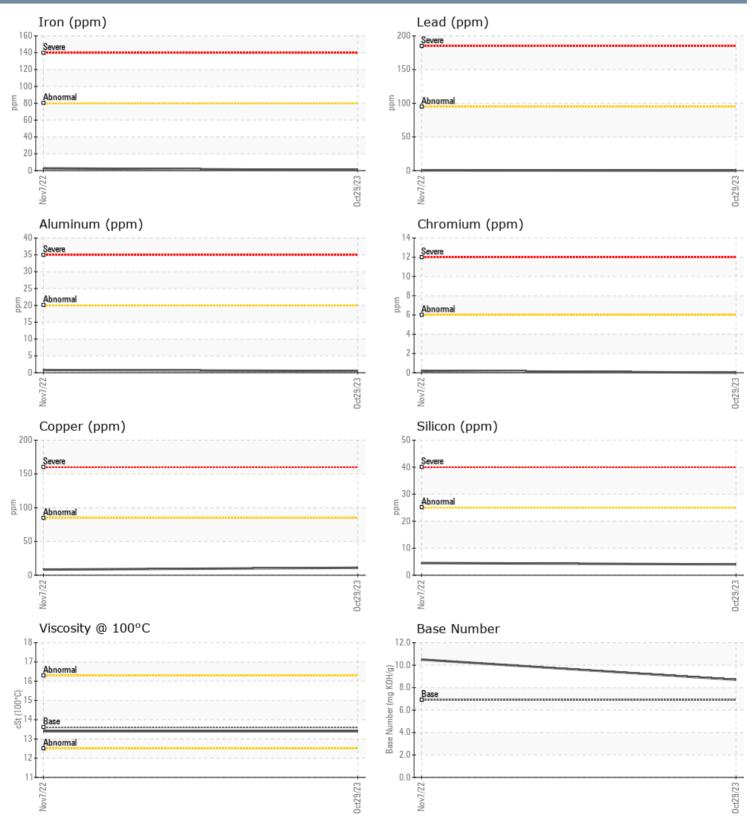
 Signed:
 Don Baldridge

 Report Date:
 31 Oct 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP1174336 [WUSCAR] 05992639 (Generated: 10/31/2023 17:06:30) Rev: 1

Contact/Location: NANCY FELHOFER - VP1174336