## **OIL ANALYSIS REPORT**

### TIFFINE TOLLEN SAM VOLVO PENTA 7008494612 - PORT DIESEL ENGINE

Sample No: VPA060416

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION VPA060416 VPA047650 Sample Number Sample Date 23 Feb 2024 13 Feb 2023 Machine Hours 688 586 102 0 **Oil Hours** Oil Changed Changed N/A NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 13.4 13.2 Base Number (BN) mg KOH/g 10.1 10.4 Oxidation (PA) % 68 55 CONTAMINATION % Water NEG NFG % Soot % 0.3 0.2 Nitration (PA) % 44 46 Sulfation (PA) % 58 52 Glycol % NEG NFG Fuel % <1.0 <1.0 Silicon 11 10 ppm Sodium 2 < ppm Potassium 2 0 ppm WEAR METALS Iron 8 4 ppm 15 12 Copper ppm Lead ppm **||** < 1 < 1 Tin ■ <1 <1 ppm Aluminum < 1</p> ppm 2 Chromium 1 < 1 ppm Molybdenum ppm 46 62 Nickel 1 < 1 ppm Titanium ppm **||** <1 < 1 Silver ■ <1 <1 ppm Manganese 1 < 1 ppm Vanadium 0 ppm <1 **ADDITIVES** 1077 Calcium 1420 ppm Magnesium 610 939 ppm Zinc ppm 996 1264 Phosphorus ppm 847 1030

0

3

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

#### 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:
 VP794951

 Unique No:
 10900898

 Signed:
 Don Baldridge

 Report Date:
 29 Feb 2024

ppm

ppm

1

44

Barium

Boron

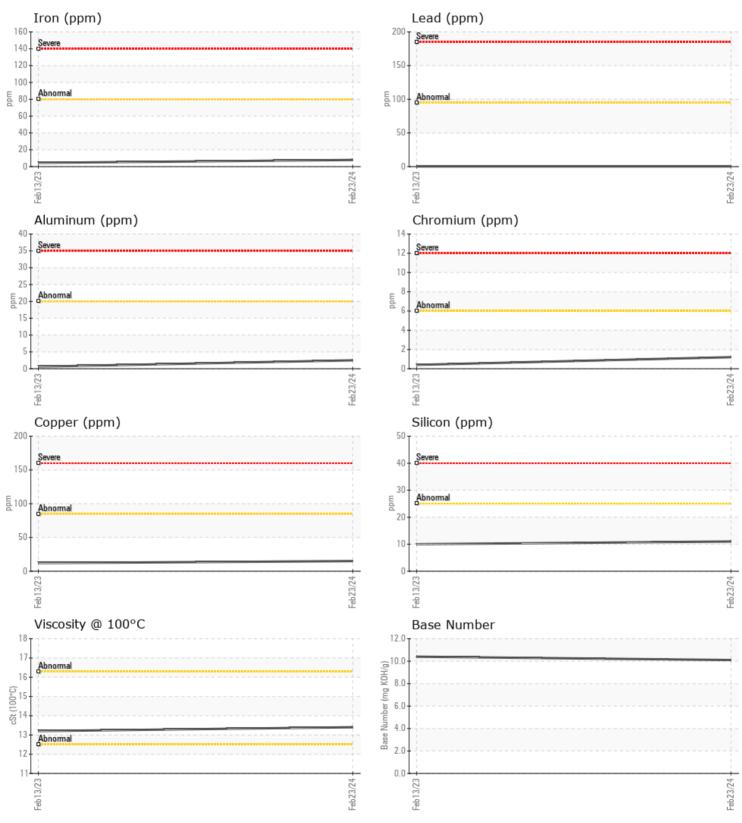
Contact/Location: WILLOW YANARELLA - VP794951



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP794951 [WUSCAR] 06102668 (Generated: 03/04/2024 09:30:00) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951