## **OIL ANALYSIS REPORT**

### BARRY BARR 1610045 VOLVO PENTA 2071161445 - PORT DIESEL ENGINE

Sample No: VPA050744

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

#### SAMPLE INFORMATION VPA050744 VPA047124 Sample Number Sample Date 27 Mar 2024 11 Apr 2022 Machine Hours 0 1404 0 **Oil Hours** 0 Oil Changed N/A Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 12.5 12.7 Base Number (BN) mg KOH/g 10.0 10.7 Oxidation (PA) % 59 65 CONTAMINATION % NEG Water NFG % Soot % 0.4 0.6 Nitration (PA) % 58 67 Sulfation (PA) % 54 60 Glycol % NEG NFG Fuel % <1.0 <1.0 Silicon 5 5 ppm Sodium 0 🔲 2 ppm Potassium 0 ppm <1 WEAR METALS Iron 6 11 ppm 13 22 Copper ppm Lead 4 ppm 2 Tin ■ <1 ■<1 ppm Aluminum 1 ppm **|** <1 Chromium <1 < 1 ppm 58 Molybdenum 53 ppm Nickel 1 3 ppm Titanium ppm 0 🔲 0 Silver 0 ppm Manganese 0 🔲 < 1 ppm Vanadium 0 ppm 0 **ADDITIVES** 1116 Calcium 1041 ppm Magnesium 938 899 ppm Zinc ppm 1210 1160 Phosphorus ppm 1030 1011 Barium 0 0 ppm Boron ppm 10 29

 Depot:
 VP99031103

 Unique No:
 10981779

 Signed:
 Doug Bogart

 Report Date:
 19 Apr 2024

Contact/Location: PAT RYAN - VP99031103

Pacific Power Group - VP981534 7215 S 228th St Kent, WA US 98032 Contact: PAT RYAN pryan@pacificpowergroup.com T: (253)520-5163 F:

#### Diagnosis

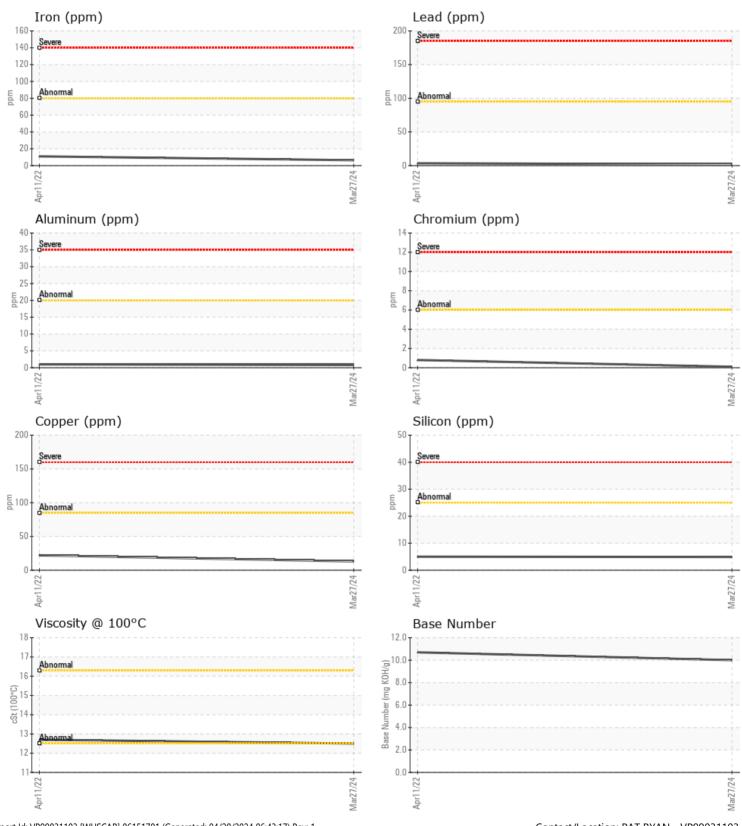
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP99031103 [WUSCAR] 06151701 (Generated: 04/20/2024 06:43:17) Rev: 1

Contact/Location: PAT RYAN - VP99031103