## **OIL ANALYSIS REPORT**

### DAVID BARLOW VOLVO PENTA A1174011 - PORT DIESEL ENGINE

Sample No: VPA044739

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

#### SAMPLE INFORMATION VPA044739 Sample Number Sample Date 10 Nov 2023 Machine Hours 540 **Oil Hours** 1 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.6 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) % 51 CONTAMINATION NEG Water % % Soot % 0 Nitration (PA) % 41 Sulfation (PA) % 48 Glycol % NEG Fuel % <1.0 Silicon 3 ppm Sodium 7 ppm Potassium 2 ppm WEAR METALS Iron 4 ppm 1 Copper ppm Lead ppm 0 Tin 0 ppm Aluminum ppm 3 Chromium 0 ppm Molybdenum 58 ppm Nickel **||** <1 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 985 ppm 851 🔲 Magnesium ppm Zinc ppm 1116 Phosphorus ppm 925 Barium 0 ppm Boron ppm ■ <1 Depot:

Unique No:10751248Signed:Sean FeltonReport Date:21 Nov 2023

Contact/Location: JOSEPH WOHLFEIL - VP1103103

VP1103103



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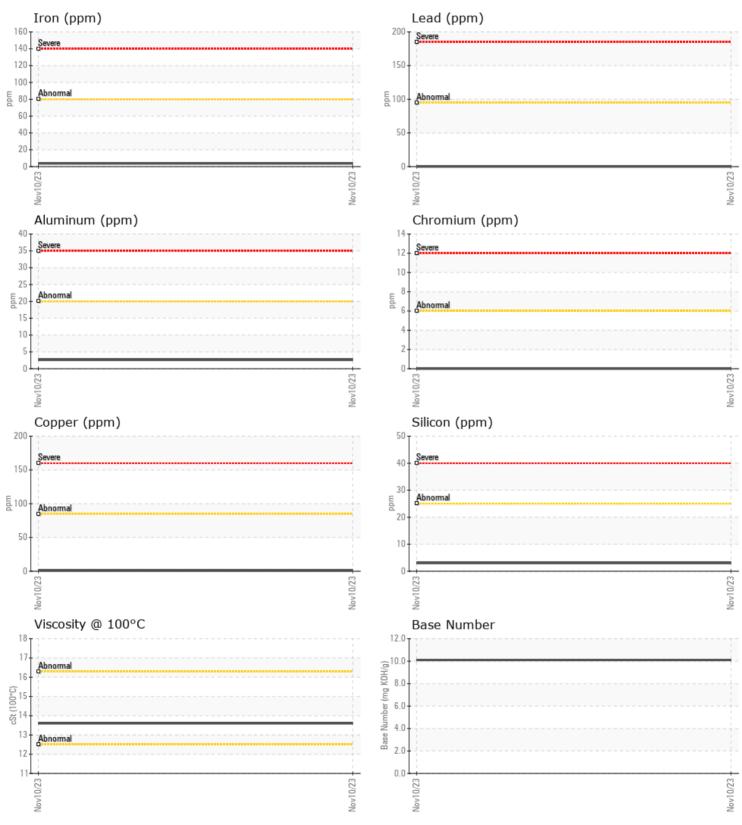
#### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. No water, or moisture detected in the sample. 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.

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#### GRAPHS



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