## **OIL ANALYSIS REPORT**

### JIM JOHNSON VOLVO PENTA A241857 - PORT DIESEL ENGINE

Sample No: VPA055253

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

#### SAMPLE INFORMATION VPA055253 Sample Number Sample Date 17 Aug 2023 Machine Hours 0 50 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 14.4 Base Number (BN) mg KOH/g 8.5 Oxidation (PA) % 62 CONTAMINATION Soot % % 0.1 % Nitration (PA) 46 Sulfation (PA) % 54 % Glycol NEG Fuel % <1.0 Silicon ppm 4 Sodium 2 ppm Potassium 7 ppm WEAR METALS Iron ppm 5 Copper 2 ppm Lead ppm 0 Tin **|** <1 ppm Aluminum ppm 0 Chromium 0 ppm Molybdenum ppm 2 Nickel 0 ppm Titanium **||** <1 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 2166 ppm Magnesium 53 ppm Zinc ppm 1202 Phosphorus ppm 1005 Barium ppm 0 🔲 212 Boron ppm Depot:

VP297371



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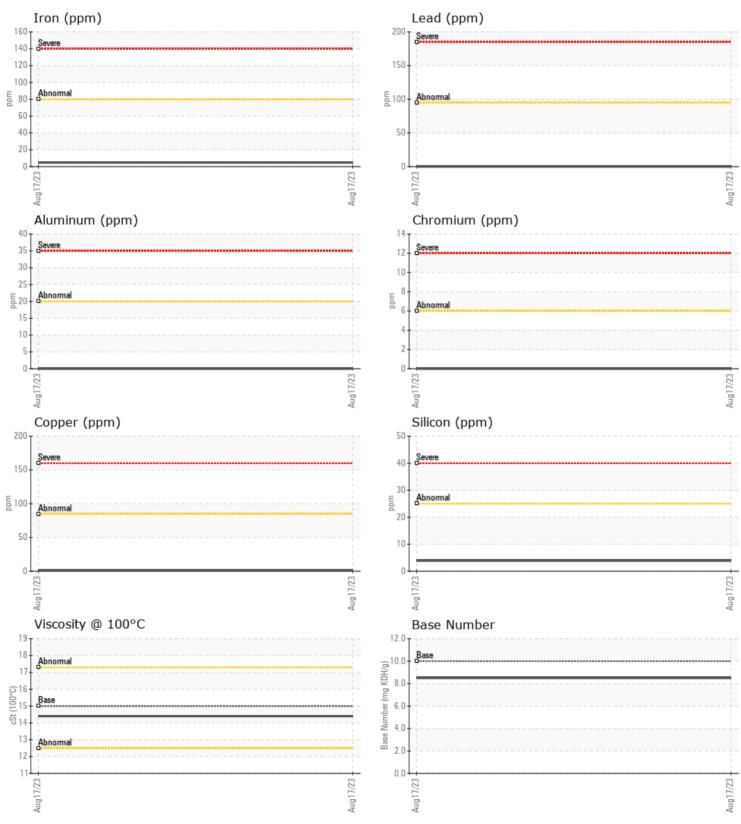
#### Diagnosis

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

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#### GRAPHS



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