OIL ANALYSIS REPORT

VOLVO PENTA A1205518 - PORT DIESEL ENGINE

Sample No: VPA051858

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMATION VPA051858 Sample Number Sample Date 17 Oct 2023 Machine Hours 274 274 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 12.9 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) % 59 CONTAMINATION Soot % % 0.1 % Nitration (PA) 48 Sulfation (PA) % 53 % Glycol NEG Fuel % <1.0 Silicon ppm 22 Sodium 5 ppm Potassium ppm **||** <1 WEAR METALS Iron ppm 27 Copper 11 ppm Lead ppm 4 Tin 2 ppm Aluminum ppm 26 Chromium 4 ppm Molybdenum 59 ppm Nickel 3 ppm Titanium **||** <1 ppm Silver ppm 0 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1167 ppm Magnesium 925 ppm Zinc ppm 1265 🔲 Phosphorus ppm 944 Barium ppm 0 🔲 Boron ppm 12



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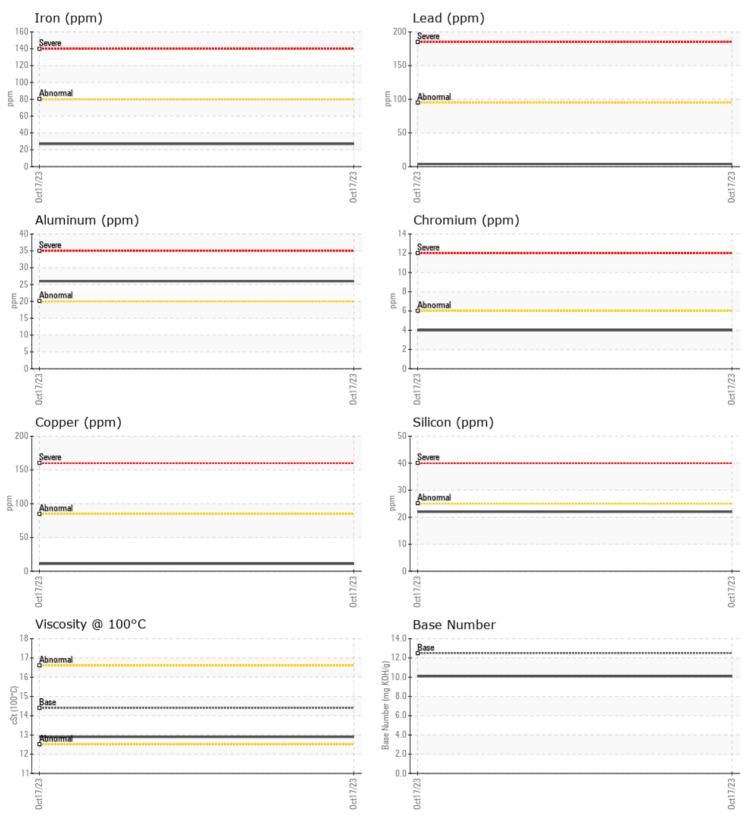
Diagnosis

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

OIL ANALYSIS REPORT



GRAPHS



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