OIL ANALYSIS REPORT

HORIZON YACHT CHARTERS 14331/14256 VOLVO PENTA 997995C - PORT DIESEL ENGINE

Sample No: VPA055026

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

SAMPLE INFORMATION VPA055026 Sample Number Sample Date 19 Jul 2023 Machine Hours 1328 1328 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C 13.1 cSt Base Number (BN) mg KOH/g 9.3 Oxidation (PA) % 69 CONTAMINATION Soot % % 0.1 % Nitration (PA) 64 Sulfation (PA) % 55 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 8 🔲 ppm Potassium **4** ppm WEAR METALS 46 Iron ppm 3 Copper ppm Lead ppm <1 Tin 0 ppm Aluminum ppm 7 Chromium 2 ppm Molybdenum 36 ppm Nickel 0 ppm Titanium **||** <1 ppm Silver ppm 0 Manganese 1 🔲 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1367 ppm Magnesium 604 ppm Zinc ppm 939 Phosphorus ppm 744 Barium ppm 0 🔲 Boron ppm 66 Depot:



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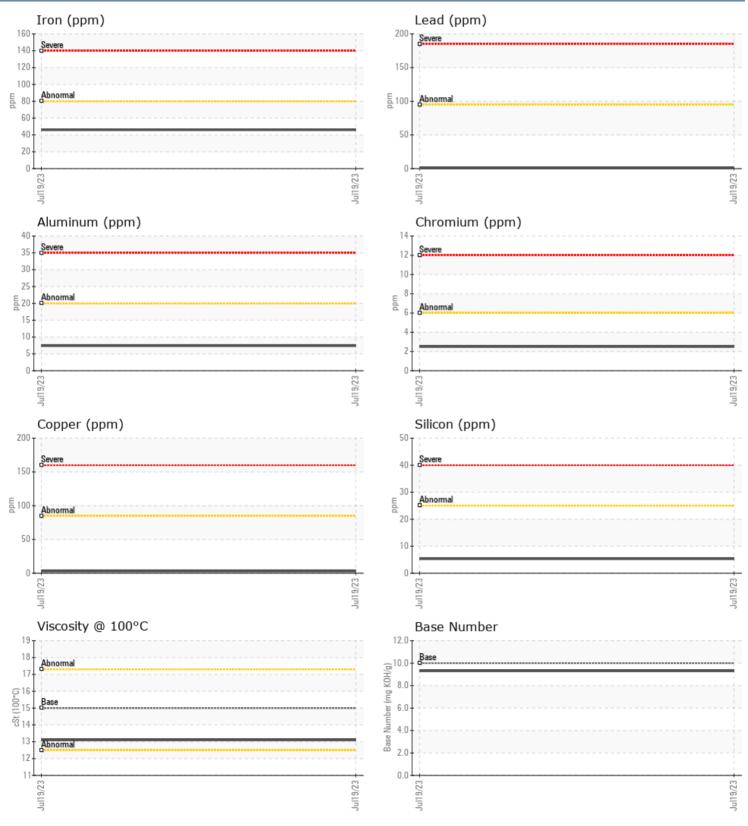
Diagnosis

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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