OIL ANALYSIS REPORT

DIANA PHILLIPS VOLVO PENTA 860522 - STARBOARD DIESEL ENGINE

Sample No: VPA056796

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

SAMPLE INFORMATION VPA056796 Sample Number Sample Date 28 Aug 2023 Machine Hours 2443 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: 14.5 Visc @ 100°C cSt Base Number (BN) mg KOH/g 10.0 Oxidation (PA) % 81 CONTAMINATION Soot % % 0.4 % Nitration (PA) 84 Sulfation (PA) % 61 % Glycol NEG Fuel % <1.0 Silicon ppm 4 Sodium 2 ppm Potassium ppm **||** <1 WEAR METALS 17 Iron ppm Copper 2 ppm Lead ppm 2 Tin ■ <1 ppm Aluminum ppm 2 Chromium **||** < 1 ppm Molybdenum ppm 64 Nickel ■ <1 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1445 ppm Magnesium 763 ppm 1297 🔲 Zinc ppm Phosphorus ppm 1071 Barium ppm 0 🔲 Boron ppm 28

Contact/Location: OIL SAMPLE/PART - VP718610



YACHT BASIN MARINA 1866 OTTAWA BEACH RD HOLLAND, MI US 49424 Contact: OIL SAMPLE/PART kyle@yachtbasinmarina.com T: (616)786-2205

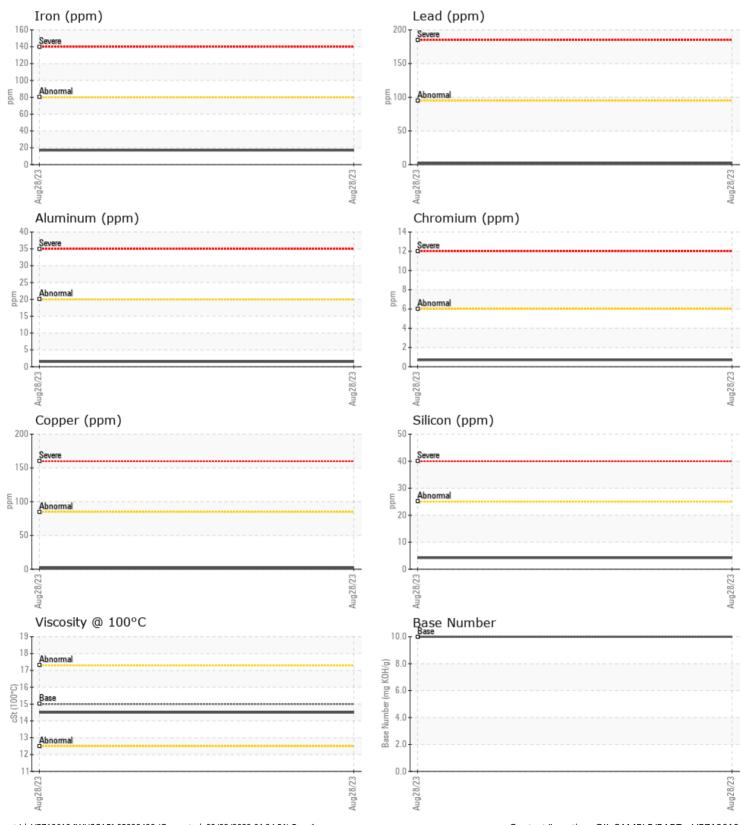
Diagnosis

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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