OIL ANALYSIS REPORT



VOLVO PENTA 5102002685 - DIESEL ENGINE

Sample No: VPA044795

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION VPA044795 Sample Number Sample Date 03 Oct 2023 Machine Hours 2088 40 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: 14.0 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.6 Oxidation (PA) % 73 CONTAMINATION Soot % % 0.1 % Nitration (PA) 58 Sulfation (PA) % 58 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 4 ppm Potassium ppm **||** <1 WEAR METALS Iron ppm 2 Copper 2 ppm Lead ppm 0 Tin 0 ppm Aluminum ppm 3 Chromium 0 ppm Molybdenum 63 ppm Nickel 0 ppm Titanium 0 ppm 0 Silver ppm Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1961 ppm Magnesium 341 ppm Zinc ppm 1336 Phosphorus ppm 1071 Barium ppm 0 🔲

STRAIGHT LINE MARINE LLC 411 LISA CIR BELGIUM, WI US 53004 Contact: JEFF BUDNIK

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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.

 Depot:
 VPSTRBEL

 Unique No:
 10683257

 Signed:
 Don Baldridge

 Report Date:
 10 Oct 2023

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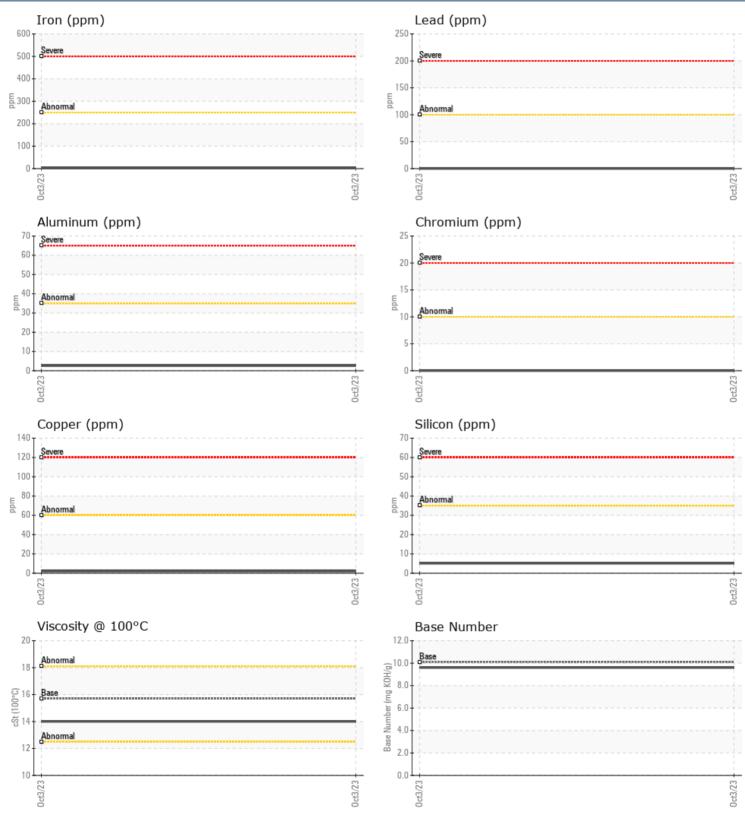
ppm

Boron

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GRAPHS



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