OIL ANALYSIS REPORT

BEN ROSENBAUM VOLVO PENTA 7008582005 - STARBOARD DIESEL ENGINE

Sample No: VPA053468

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

SAMPLE INFORMATION VPA053468 Sample Number Sample Date 07 Jun 2024 Machine Hours 121 **Oil Hours** 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.1 Base Number (BN) mg KOH/g 7.3 Oxidation (PA) % 54 CONTAMINATION % NEG Water % Soot % 0.5 Nitration (PA) % 70 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 25 ppm Sodium 5 ppm Potassium 2 ppm WEAR METALS Iron 19 ppm 39 Copper ppm Lead ppm 3 Tin ■ <1 ppm Aluminum 5 ppm Chromium ppm 2 Molybdenum 85 ppm Nickel ■ <1</p> ppm Titanium ppm **||** <1 Silver ppm ■ <1 Manganese 1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 2387 ppm Magnesium 53 ppm Zinc ppm 1254 1076 Phosphorus ppm Barium 0 ppm Boron ppm 56

CY MARINE LLC

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Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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 suitable for further service.

 Depot:
 VPCYMPOM

 Unique No:
 11071668

 Signed:
 Sean Felton

 Report Date:
 12 Jun 2024

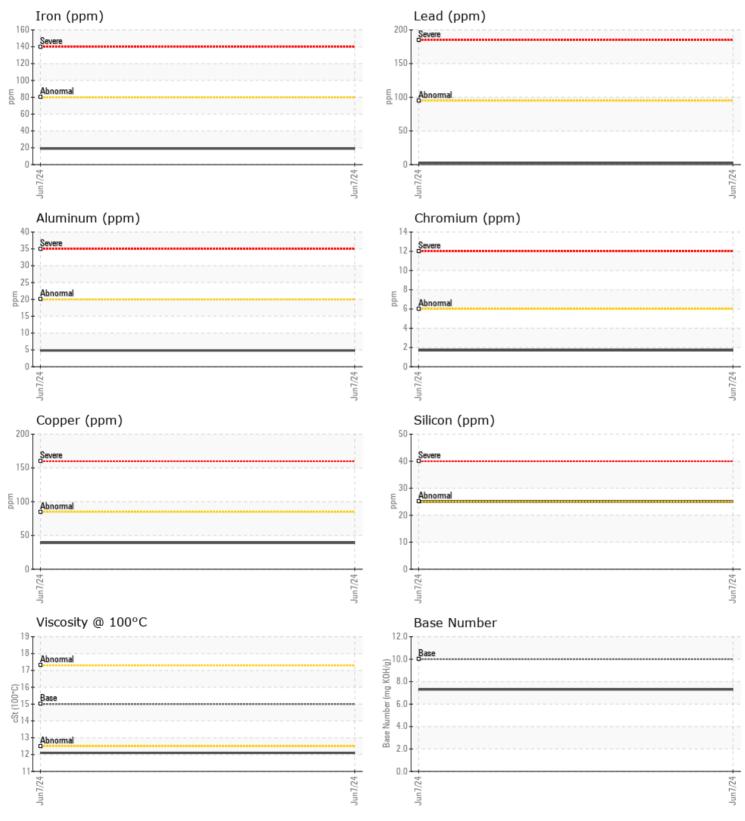
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GRAPHS



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