OIL ANALYSIS REPORT

VOLVO PENTA

7008446404 - STARBOARD DIESEL ENGINE

Sample No: VPA036449

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA036449 Sample Number Sample Date 31 Jan 2024 Machine Hours 1308 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.1 Base Number (BN) mg KOH/g 9.3 Oxidation (PA) % 62 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 54 % Sulfation (PA) 54 Glycol % NEG Fuel % <1.0 Silicon 9 ppm Sodium 2 ppm Potassium 3 ppm WEAR METALS Iron 6 ppm 25 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm 1 Chromium <1 ppm 35 Molybdenum ppm Nickel ■ <1</p> ppm Titanium ppm 0 🔲 Silver ■ <1 ppm Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1519 ppm Magnesium 437 ppm Zinc ppm 1178 Phosphorus ppm 1011 Barium 0 🔲 ppm Boron ppm 71

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith_advanceddiesel@yahoo.com T: (239)580-8731 F:

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:
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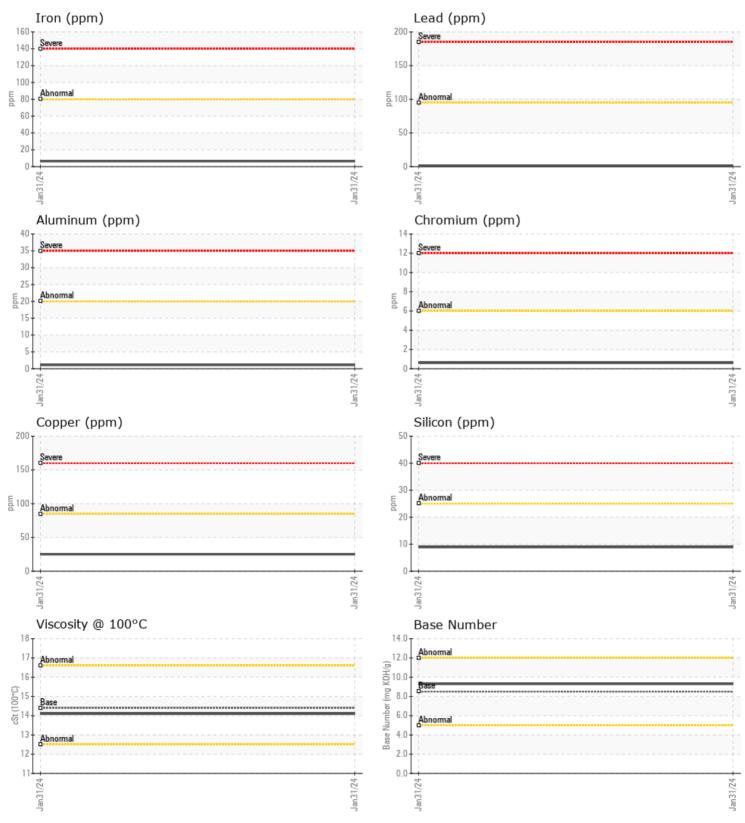
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VPADVNAP 10860017 Don Baldridge 05 Feb 2024

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GRAPHS



Report Id: VPADVNAP [WUSCAR] 06077926 (Generated: 02/05/2024 10:27:16) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP