## **OIL ANALYSIS REPORT**

## VOLVO PENTA

## 7011467453 - STARBOARD DIESEL ENGINE

Sample No: VPA036654

Oil Type: DIESEL ENGINE OIL SAE 40

#### SAMPLE INFORMATION VPA036654 Sample Number 13 Nov 2023 Sample Date Machine Hours 281 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.0 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) % 55 CONTAMINATION Soot % % 0.1 % Nitration (PA) 43 Sulfation (PA) % 51 % Glycol NEG Fuel % <1.0 Silicon ppm 6 Sodium 0 🔲 ppm Potassium ppm **||** <1 WEAR METALS Iron ppm 8 7 Copper ppm Lead ppm 0 Tin ■ <1 ppm Aluminum 2 ppm Chromium **||** < 1 ppm Molybdenum 56 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm 0 Manganese 0 🔲 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1034 ppm Magnesium 955 ppm Zinc ppm 1337 Phosphorus ppm 1083 Barium ppm 0 Boron ppm 2

ADVANCED DIESEL

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

### 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:
 VPADVNAP

 Unique No:
 10741282

 Signed:
 Don Baldridge

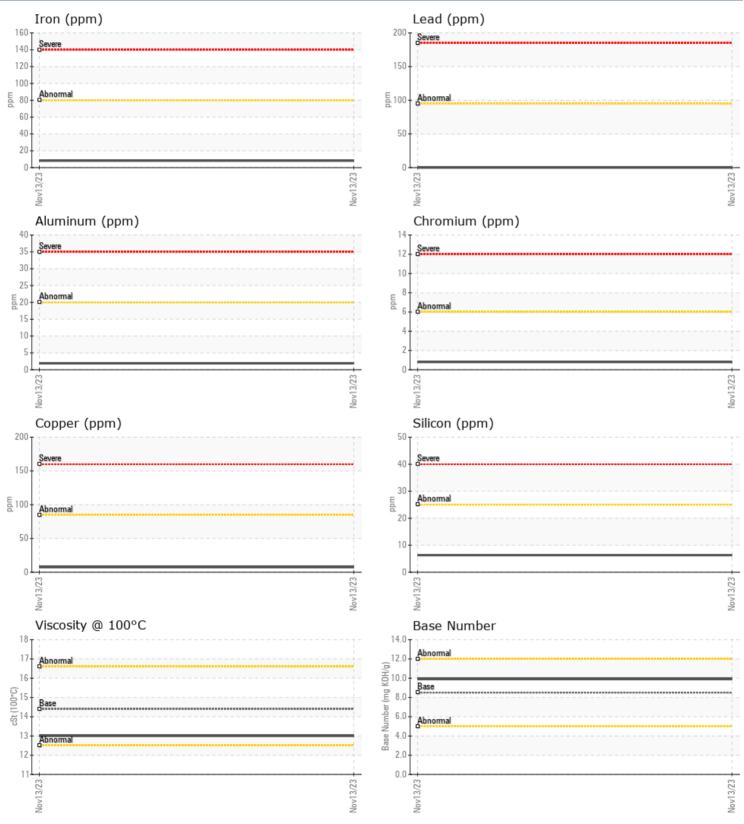
 Report Date:
 16 Nov 2023

Contact/Location: KEITH SPICER - VPADVNAP

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### GRAPHS



Report Id: VPADVNAP [WUSCAR] 06007520 (Generated: 11/17/2023 00:13:50) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP