OIL ANALYSIS REPORT

VOLVO PENTA

7011481278 - STARBOARD DIESEL ENGINE

Sample No: VPA061748

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA061748 Sample Number Sample Date 06 May 2024 Machine Hours 365 **Oil Hours** 0 Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 14.24 Base Number (BN) mg KOH/g 7.7 Oxidation (PA) % 50 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 55 % Sulfation (PA) 48 Glycol % NEG Fuel % <1.0 Silicon 9 ppm Sodium 2 ppm Potassium 1 ppm WEAR METALS Iron 2 ppm 3 Copper ppm Lead ■ <1 ppm Tin ■ <1 ppm Aluminum ppm 2 Chromium ppm <1 Molybdenum 87 ppm Nickel **||** <1 ppm Titanium ppm **||** <1 Silver ppm 0 Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1923 ppm Magnesium **102** ppm Zinc ppm 1138 Phosphorus ppm 918 Barium 0 ppm Boron ppm 163

ADVANCED DIESEL

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

Diagnosis

No corrective action is recommended at this time. 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:
 11019154

 Signed:
 Doug Bogart

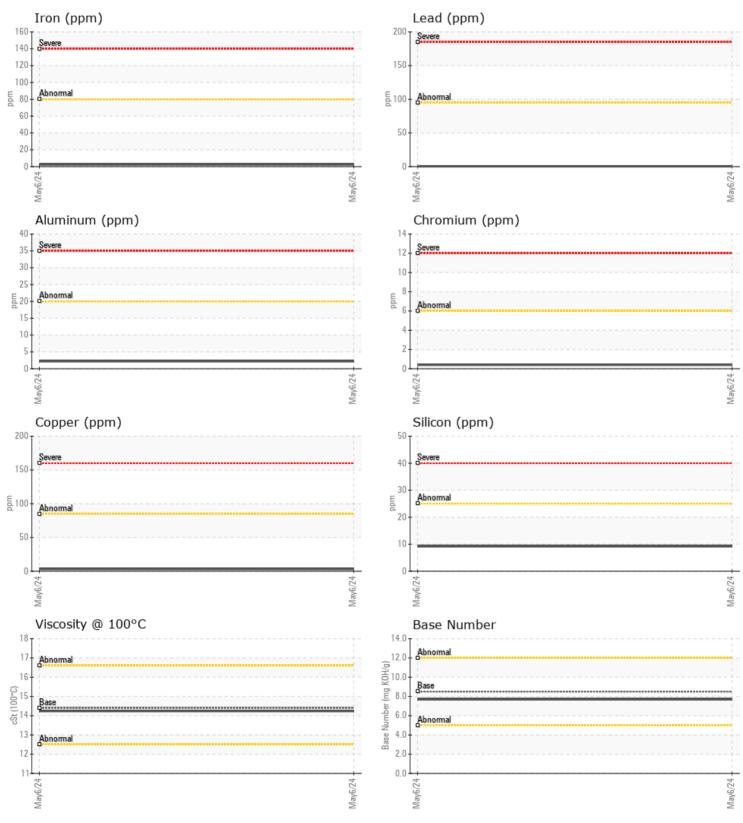
 Report Date:
 10 May 2024

Contact/Location: KEITH SPICER - VPADVNAP

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GRAPHS



Report Id: VPADVNAP [WUSCAR] 06173101 (Generated: 05/10/2024 13:24:27) Rev: 2

Contact/Location: KEITH SPICER - VPADVNAP