OIL ANALYSIS REPORT

VOLVO PENTA

70112020847 - STARBOARD DIESEL ENGINE

Sample No: VPA055637

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA055637 Sample Number Sample Date 19 Sep 2023 Machine Hours 116 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: 12.8 Visc @ 100°C cSt Base Number (BN) mg KOH/g 10.3 Oxidation (PA) % 64 CONTAMINATION Soot % % 0 🔲 % Nitration (PA) 48 Sulfation (PA) % 60 % Glycol NEG Fuel % <1.0 Silicon ppm 11 Sodium 3 ppm Potassium ppm 2 WEAR METALS Iron ppm 5 7 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum ppm 0 Chromium **||** < 1 ppm Molybdenum 56 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm **||** <1 Manganese 1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1131 ppm Magnesium 898 ppm Zinc ppm 1242 Phosphorus ppm 1045 Barium ppm 0 🔲 Boron ppm 16

ADVANCED DIESEL

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

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:
 10659171

 Signed:
 Doug Bogart

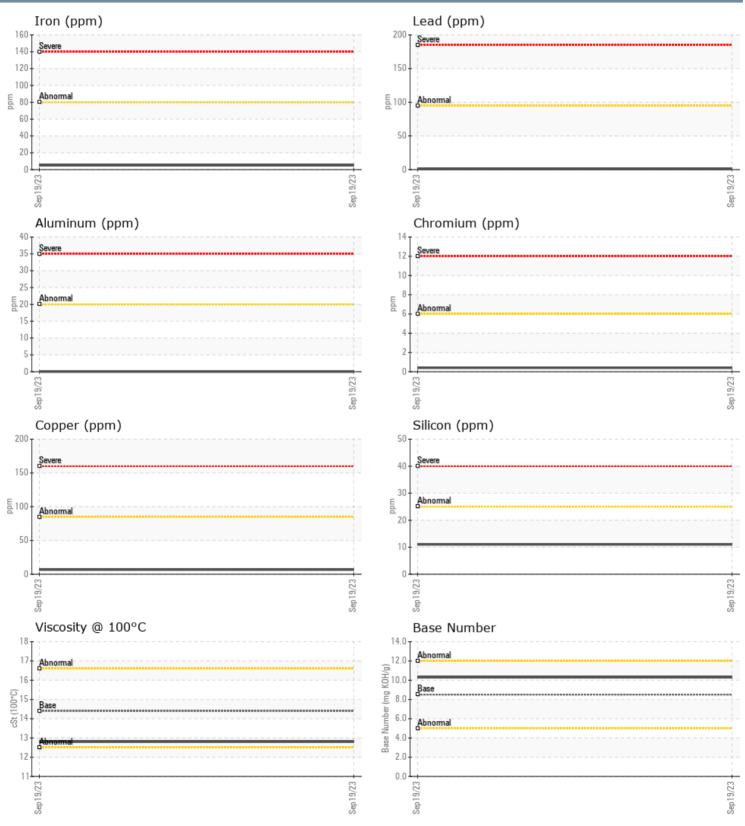
 Report Date:
 22 Sep 2023

Contact/Location: KEITH SPICER - VPADVNAP

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GRAPHS



Report Id: VPADVNAP [WUSCAR] 05957958 (Generated: 09/22/2023 16:10:35) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP