OIL ANALYSIS REPORT

QSB 6.7 - VPA055220 (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA055220

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA055220 Sample Number 09 Jul 2023 Sample Date Machine Hours 0 0 **Oil Hours** Oil Changed N/A ATTENTION Sample Status **OIL CONDITION** F: 14.6 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.2 Oxidation (PA) % 73 CONTAMINATION Soot % % 0.3 % Nitration (PA) 58 Sulfation (PA) % 60 % Glycol NEG Fuel % <1.0 Silicon ppm 4 Sodium 5 ppm Potassium 6 🔲 ppm WEAR METALS Iron ppm 24 33 Copper ppm Lead ppm 0 Tin **||** <1 ppm Aluminum ppm **4** Chromium ppm Molybdenum ppm 1 Nickel 1 ppm Titanium **||** <1 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1996 ppm Magnesium 20 ppm Zinc ppm 1114 Phosphorus ppm 909 Barium ppm 0 🔲 Boron ppm 185

VOLVO PENTA

ADVANCED DIESEL

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

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other 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 suitable for further service.

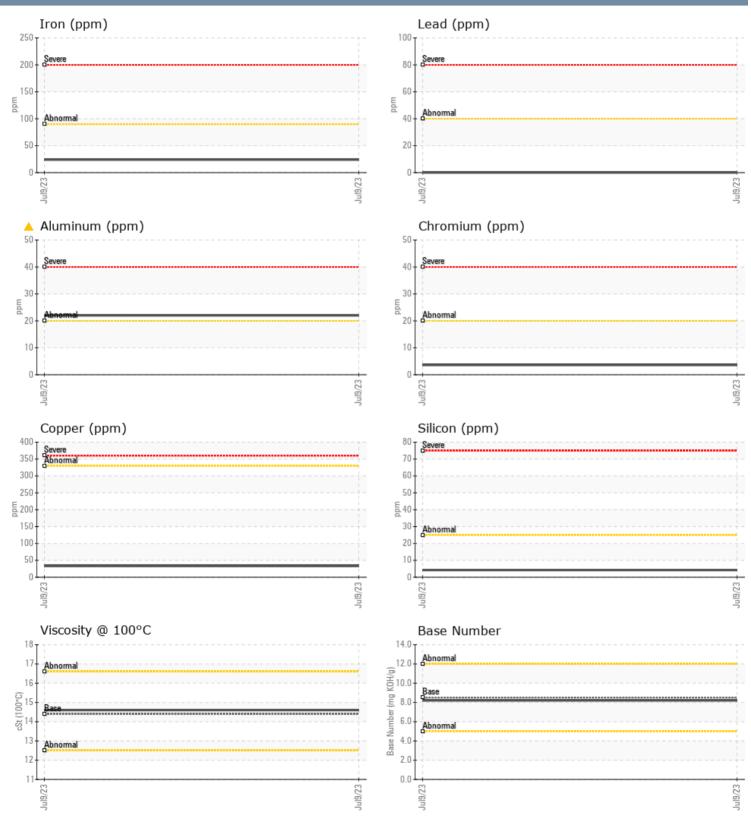
Depot:VPADVNAPUnique No:10549114Signed:Don BaldridgeReport Date:11 Jul 2023

Contact/Location: KEITH SPICER - VPADVNAP

OIL ANALYSIS REPORT



GRAPHS



Contact/Location: KEITH SPICER - VPADVNAP