OIL ANALYSIS REPORT

NOT GIVEN VPA056146 - STARBOARD DIESEL ENGINE

Sample No: VPA056146

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA056146 Sample Number Sample Date 24 Aug 2023 Machine Hours 0 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) % 53 CONTAMINATION Soot % % 0.2 % Nitration (PA) 42 Sulfation (PA) % 50 % Glycol NEG Fuel % <1.0 Silicon ppm 11 Sodium 2 ppm Potassium ppm 0 🔲 WEAR METALS Iron ppm 9 Copper 10 ppm Lead ppm 0 Tin 0 ppm Aluminum ppm 0 Chromium **|** <1 ppm Molybdenum 61 ppm Nickel ■ <1 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese 0 🔲 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1145 ppm Magnesium 1028 ppm 1293 🔲 Zinc ppm Phosphorus ppm 1072 Barium ppm 0 Boron ppm 0





ADVANCED DIESEL 1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER

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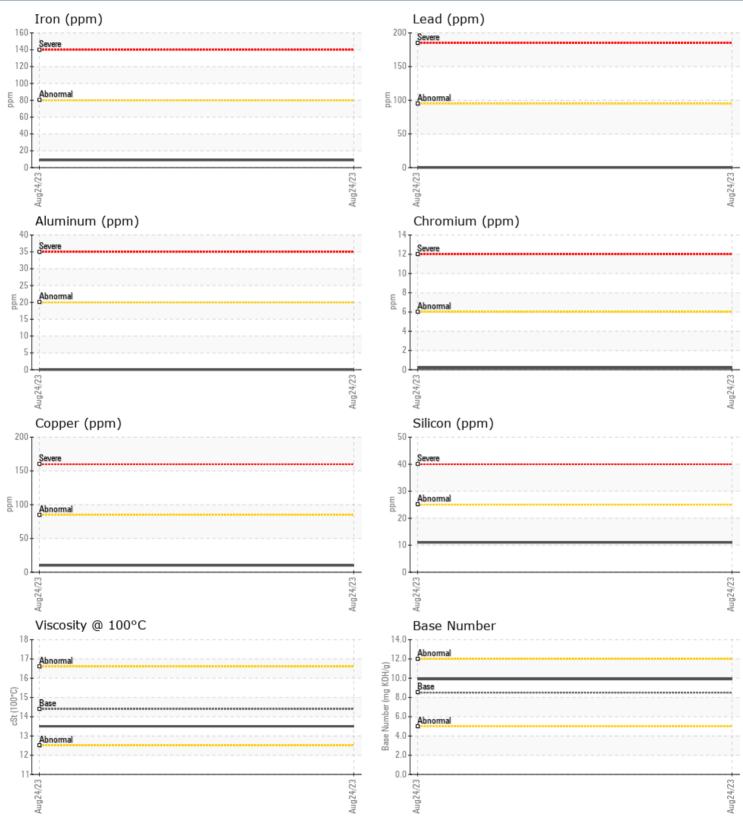
Diagnosis

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.

OIL ANALYSIS REPORT



GRAPHS



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