OIL ANALYSIS REPORT

ROBERT GALWAY 14816 YANMAR YANMAR 4JHTE (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA049732

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA049732 Sample Number Sample Date 19 Nov 2023 Machine Hours 0 0 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: 14.2 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.6 Oxidation (PA) % 59 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 44 Sulfation (PA) % 52 Glycol % NEG Fuel % <1.0 Silicon 17 ppm Sodium 2 ppm Potassium 4 ppm WEAR METALS Iron 43 ppm 15 Copper ppm Lead ppm 1 Tin 0 ppm Aluminum ppm 6 Chromium 1 ppm Molybdenum 50 ppm Nickel ■ <1</p> ppm Titanium ppm **||** <1 Silver 0 ppm Manganese **||** <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1870 ppm Magnesium 301 🔲 ppm Zinc ppm 1240 Phosphorus ppm 1023 Barium 0 ppm Boron ppm **169** Depot:

 Unique No:
 10751302

 Signed:
 Don Baldridge

 Report Date:
 21 Nov 2023

Contact/Location: KARIM PERSAUD - VP981217

VP981217



PARTS & POWER PO BOX 1305498, PMB1000-00 ST THOMAS, VI US 00803 Contact: KARIM PERSAUD info@partsandpower.com T: (284)494-2830

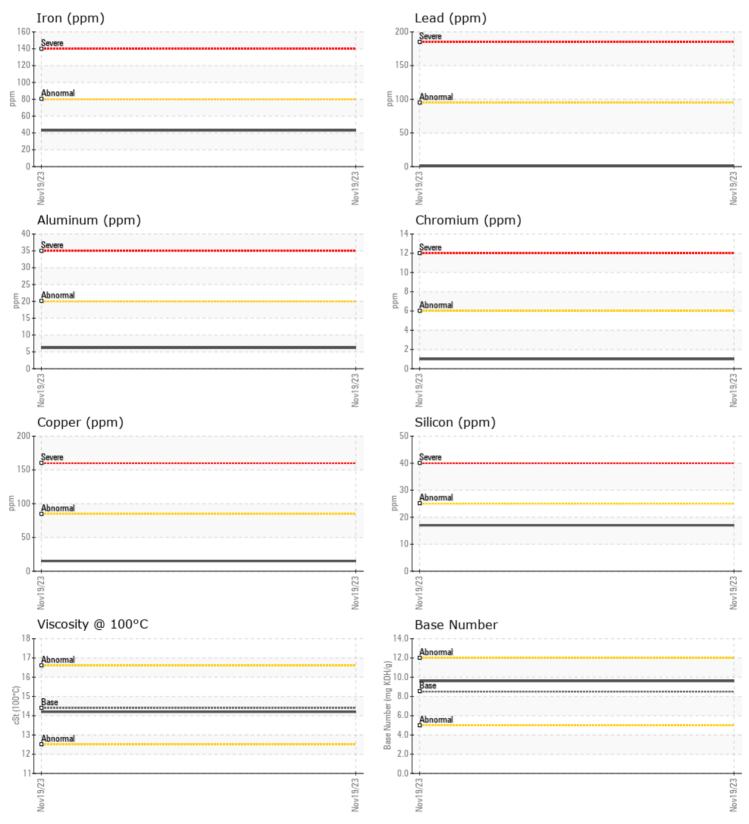
Diagnosis

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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