OIL ANALYSIS REPORT

MR KENNETH WINTER YANMAR M56095 - PORT DIESEL ENGINE

Sample No: VPA047517

Oil Type: CITGO CITGUARD 600 15W40

SAMPLE INFORMATION VPA047517 Sample Number Sample Date 10 Nov 2023 Machine Hours 4911 **Oil Hours** 165 Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C **12.2** cSt Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 63 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 59 Sulfation (PA) % 52 Glycol % NEG Fuel % **3.2** Silicon 3 ppm Sodium 0 🔲 ppm Potassium 2 ppm WEAR METALS Iron ppm 3 14 Copper ppm Lead ppm 0 🔲 Tin 0 ppm Aluminum ppm 1 Chromium 0 ppm 60 🔲 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1652 ppm Magnesium ppm 356 Zinc ppm 1150 1004 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 4 Depot:

Unique No:10750529Signed:Sean FeltonReport Date:21 Nov 2023

Monmouth Marine Engines Inc 536 UNION LN BRIELLE, NJ US 08730-1421 Contact: Kenneth Mika monmouthmarine@gmail.com T: x: F: x:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Contact/Location: Kenneth Mika - VP153457

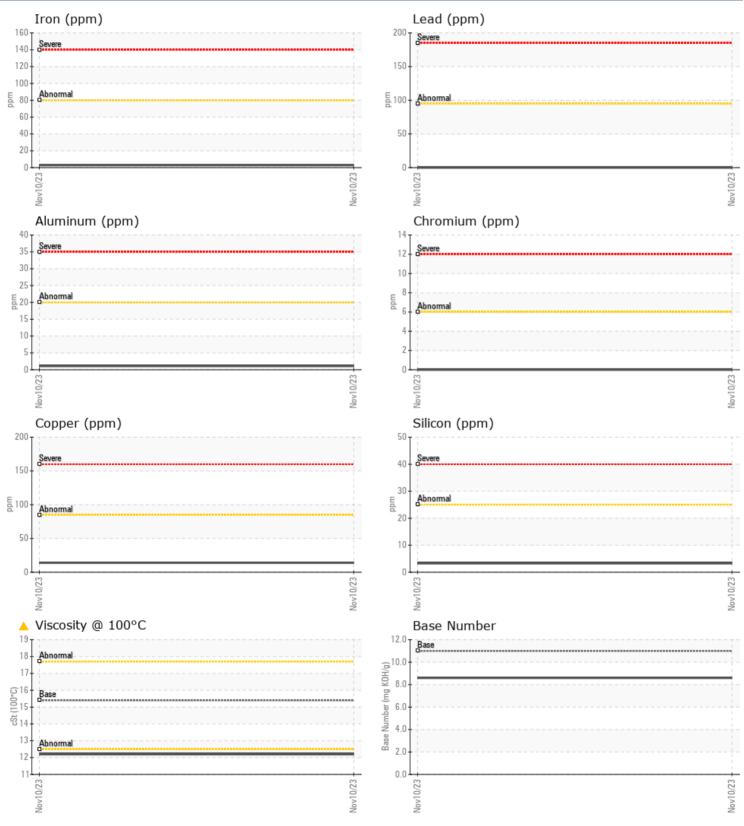
VP153457



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GRAPHS



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