OIL ANALYSIS REPORT

EPIC VOLVO PENTA A 1 1 19005 - STARBOARD DIESEL ENGINE

Sample No: VPA049955

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION Sample Number VPA049955 09 Oct 2023 Sample Date Machine Hours 483 0 **Oil Hours** N/A Oil Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.2 Base Number (BN) mg KOH/g 9.8 Oxidation (PA) % 53 Resample at the next service interval CONTAMINATION to monitor.All component wear rates are normal. There is no indication of Soot % % 0.7 any contamination in the oil. The BN % Nitration (PA) 52 result indicates that there is suitable Sulfation (PA) % 52 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 2 ppm Potassium ppm 3 WEAR METALS 14 Iron ppm **4** Copper ppm Lead ppm 2 Tin ■ <1 ppm Aluminum ppm 2 Chromium **||** < 1 ppm Molybdenum 60 ppm Nickel ■ <1 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese 0 🔲 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1036 ppm 1003 Magnesium ppm Zinc ppm 1318 Phosphorus ppm **1061** Barium ppm 0 Boron ppm 0

alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Marine International Diesels Inc. 3600 HACIENDA BLVD UNIT G

DAVIE, FL US 33314 Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086 F: (954)761-1186

Diagnosis

VP694356 Depot: Jonathan Hester

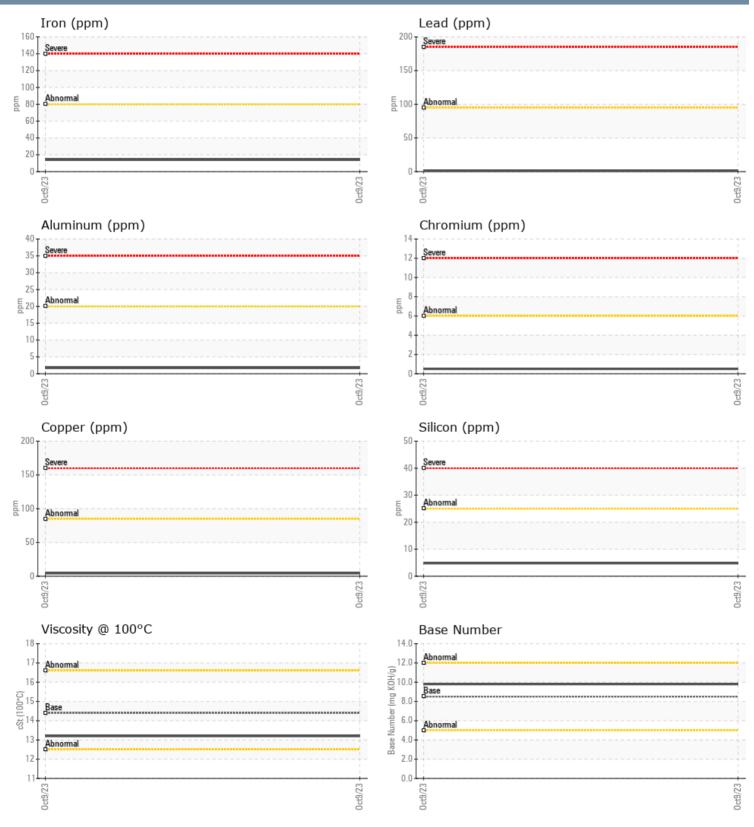
Contact/Location: ASHANTI BURKE - VP694356



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GRAPHS



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