OIL ANALYSIS REPORT

DON DAVIS YANMAR 53210 - STARBOARD DIESEL ENGINE

Sample No: VPA045581

Oil Type: NOT GIVEN

SAMPLE INFORMATION Sample Number VPA045581 20 Nov 2023 Sample Date Machine Hours 5654 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status T: **OIL CONDITION** F: Visc @ 100°C cSt 13.6 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) % 78 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 73 % Sulfation (PA) 57 Glycol % NEG Fuel % <1.0 Silicon 3 ppm Sodium 3 ppm Potassium **||** <1 ppm WEAR METALS Iron 4 ppm 16 Copper ppm Lead 0 🔲 ppm Tin 0 ppm Aluminum **||** < 1 ppm Chromium ppm 0 Molybdenum 42 ppm Nickel 0 🔲 ppm Titanium ppm **||** <1 0 Silver ppm Manganese <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 1533 ppm Magnesium 519 ppm Zinc ppm 1274 968 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 51



Aqua Yacht Harbor Marina 3832 Hwy. 25 North, 3832 Hwy. 25 North IUKA, MS US 38852 Contact: DENNIS KANIZAI dkanizai@shmarinas.com T.

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 suitable for further service.

 Depot:
 VP299833

 Unique No:
 10755181

 Signed:
 Jonathan Hester

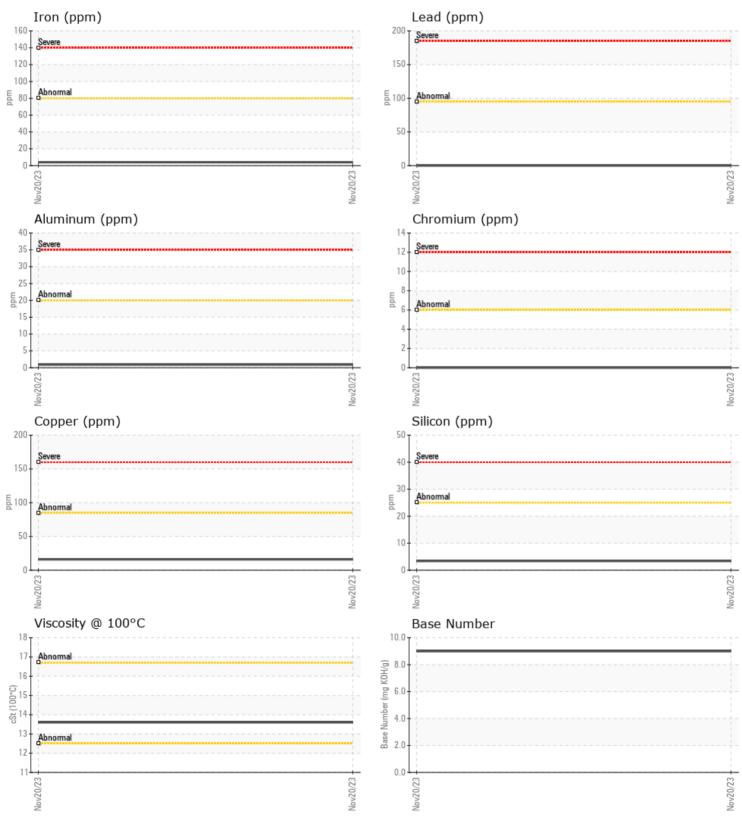
 Report Date:
 27 Nov 2023

Contact/Location: DENNIS KANIZAI - VP299833

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP299833 [WUSCAR] 06016037 (Generated: 11/27/2023 15:41:48) Rev: 1

Contact/Location: DENNIS KANIZAI - VP299833