OIL ANALYSIS REPORT

3401/2/60/3301 74586292 - STARBOARD DIESEL ENGINE

Sample No: VPA047853

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA047853 Sample Number Sample Date 10 Jul 2023 Machine Hours 18 **Oil Hours** 18 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.0 Base Number (BN) mg KOH/g 8.9 Oxidation (PA) % 73 CONTAMINATION Soot % % 0.1 % Nitration (PA) 67 Sulfation (PA) % 54 % Glycol NEG Fuel % <1.0 Silicon ppm 16 Sodium 4 ppm Potassium 3 ppm WEAR METALS Iron ppm 2 24 Copper ppm **||** <1 Lead ppm Tin 0 ppm Aluminum ppm 6 Chromium 0 ppm Molybdenum 54 ppm Nickel 0 ppm Titanium **||** <1 ppm Silver ppm 0 Manganese 3 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1437 ppm Magnesium 997 ppm Zinc ppm **1066** Phosphorus ppm 871 Barium ppm 20 Boron ppm 66



The Talaria Company 202 Banks St., One Little Harbor Landing OXFORD, MD US 21654 Contact: TRACY PELLERIN tpellerin@hinckleyyachts.com T: (410)770-4899 F: x:

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:
 VP592286

 Unique No:
 10551639

 Signed:
 Don Baldridge

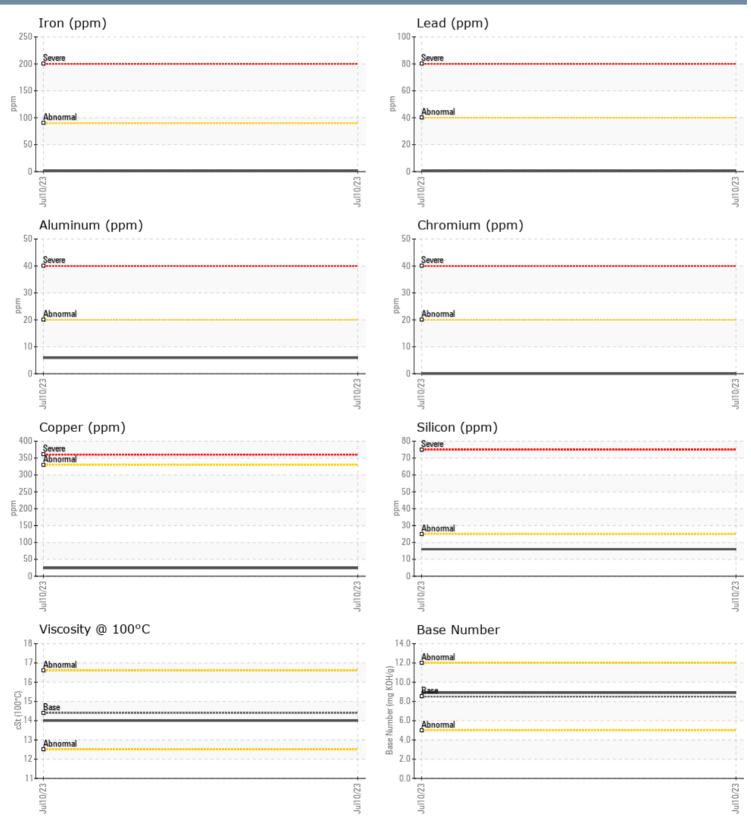
 Report Date:
 13 Jul 2023

Contact/Location: TRACY PELLERIN - VP592286

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GRAPHS



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