## **OIL ANALYSIS REPORT**

### SUGAR JRM M140130342 - CENTER DIESEL ENGINE

Sample No: VPA047833

Oil Type: SHELL 15W40

#### SAMPLE INFORMATION VPA047833 VPA032790 Sample Number Sample Date 20 Nov 2023 19 Oct 2020 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 14.2 14.4 Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 65 56 CONTAMINATION NEG Water % NFG % Soot % 0 0.2 Nitration (PA) % 44 38 Sulfation (PA) % 54 51 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 14 13 ppm Sodium 1 7 ppm Potassium 5 13 ppm WEAR METALS 22 Iron 7 ppm 0 | <1 Copper ppm Lead 0 🔲 0 ppm Tin 0 0 ppm Aluminum 3 ppm **|** <1 Chromium 0 2 ppm Molybdenum 59 ppm 2 < 1 Nickel 0 ppm Titanium ppm 0 < 1 0 Silver 0 ppm Manganese 0 🔲 < 1 ppm 0 Vanadium ppm 0 **ADDITIVES** Calcium 2189 1808 ppm 526 Magnesium 12 ppm Zinc ppm 1301 1086 991 Phosphorus ppm 1033 Barium 0 🔲 1 ppm Boron ppm 201



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:
 10767897

 Signed:
 Sean Felton

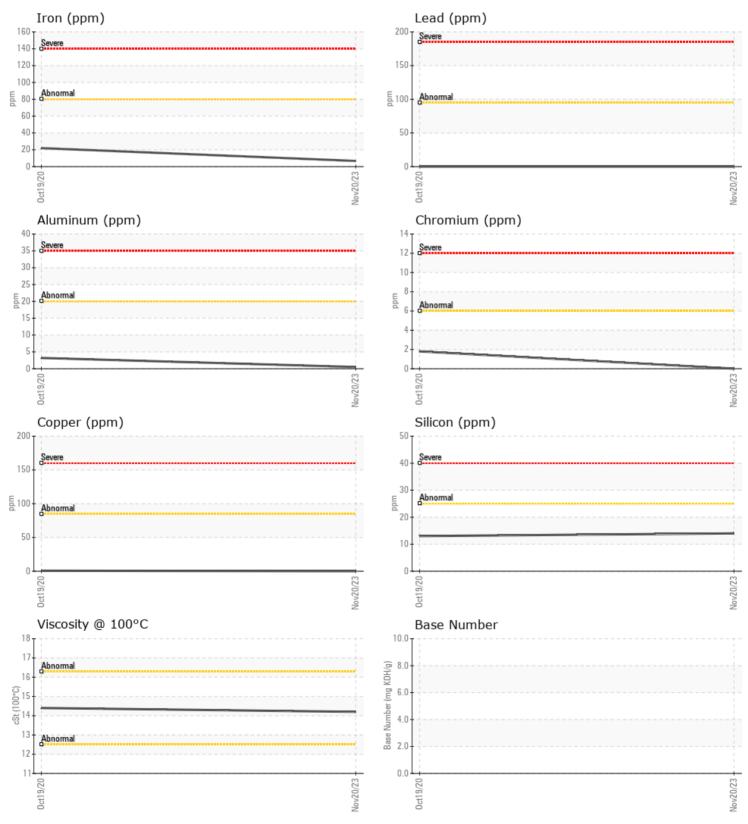
 Report Date:
 05 Dec 2023

Contact/Location: TRACY PELLERIN - VP592286

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#### GRAPHS



Report Id: VP592286 [WUSCAR] 06023397 (Generated: 12/05/2023 15:07:36) Rev: 1

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