OIL ANALYSIS REPORT

HALL PASS 3869332 - CENTER GASOLINE ENGINE

Sample No: VPA047835

Oil Type: VOLVO 10W40

SAMPLE INFORMATION VPA047835 VPA043783 Sample Number 30 Nov 2023 28 Dec 2021 Sample Date Machine Hours 403 345 **Oil Hours** 403 0 Oil Changed Changed Not Changd ABNORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C **9.4** cSt 11.2 Base Number (BN) mg KOH/g 7.1 8.0 Oxidation (PA) % 11 11 CONTAMINATION Water % NEG NFG % Soot % 0.1 0.1 Nitration (PA) % 7 8 Sulfation (PA) % 10 11 NEG Glycol % NEG Fuel % <1.0 Silicon 11 ppm Sodium 15 9 ppm Potassium 21 ppm <1 WEAR METALS 26 Iron 65 ppm 38 86 Copper ppm Lead ppm 2 1 Tin 0 □ < 1 ppm Aluminum 3 ppm 8 Chromium 3 1 ppm Molybdenum 270 74 ppm <1 Nickel ppm Titanium ppm <1 <1 Silver 0 <1 ppm Manganese 2 < 1 ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1266 1965 ppm 440 155 Magnesium ppm Zinc ppm 768 834 628 703 Phosphorus ppm 6 0 Barium ppm Boron ppm 101 3

 Depot:
 VP592286

 Unique No:
 10778829

 Signed:
 Jonathan Hester

 Report Date:
 18 Dec 2023

Contact/Location: TRACY PELLERIN - VP592286

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

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

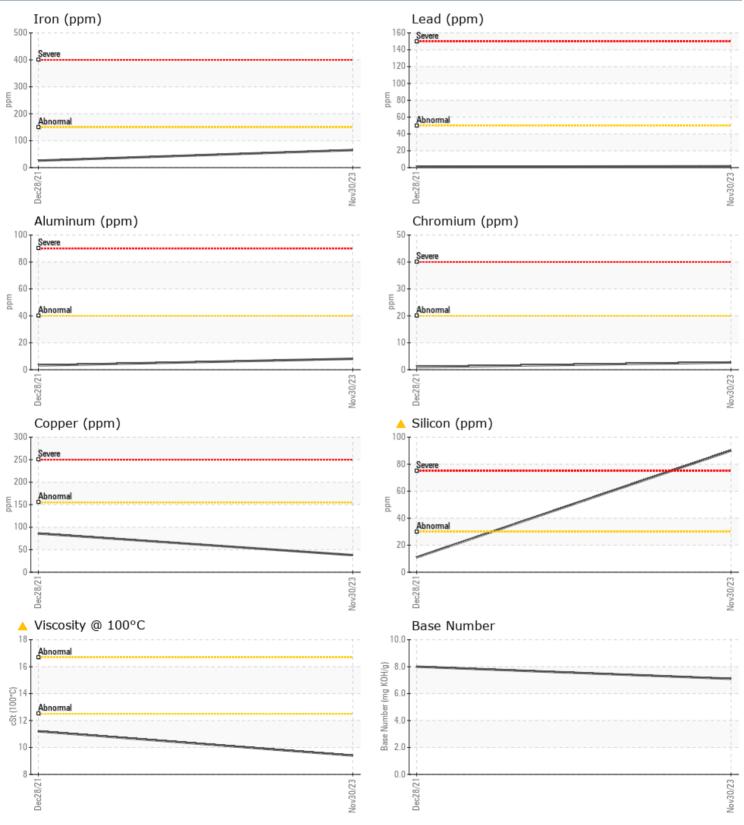




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GRAPHS



Report Id: VP592286 [WUSCAR] 06029038 (Generated: 12/18/2023 17:20:50) Rev: 1

Contact/Location: TRACY PELLERIN - VP592286