OIL ANALYSIS REPORT

VOLVO PENTA

7193946 - STARBOARD DIESEL ENGINE

Sample No: VPA039813

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION VPA039813 Sample Number Sample Date 10 Jul 2023 Machine Hours 1129 **Oil Hours** 69 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** T: F: Visc @ 100°C cSt 13.2 Base Number (BN) mg KOH/g 9.6 Oxidation (PA) % 62 CONTAMINATION Soot % % 0.3 % Nitration (PA) 59 Sulfation (PA) % 54 % Glycol NEG Fuel % <1.0 Silicon ppm 4 Sodium 2 ppm Potassium **||** <1 ppm WEAR METALS 15 Iron ppm 48 Copper ppm Lead ppm <1 Tin 0 ppm Aluminum 2 ppm Chromium 0 ppm Molybdenum 58 ppm Nickel 1 ppm Titanium **||** <1 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 1076 ppm Magnesium 929 ppm Zinc ppm 1172 Phosphorus ppm 953 Barium ppm 0 🔲 Boron ppm 6

SIEBERT YACHT MANAGEMENT

2875 JUPITER PARK DR, SUITE 1700 JUPITER, FL US 33458 Contact: JAY SIEBERT jay@siebertyachtmanagement.com T: F:

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 acceptable for the time in service.

 Depot:
 VP1190184

 Unique No:
 10586263

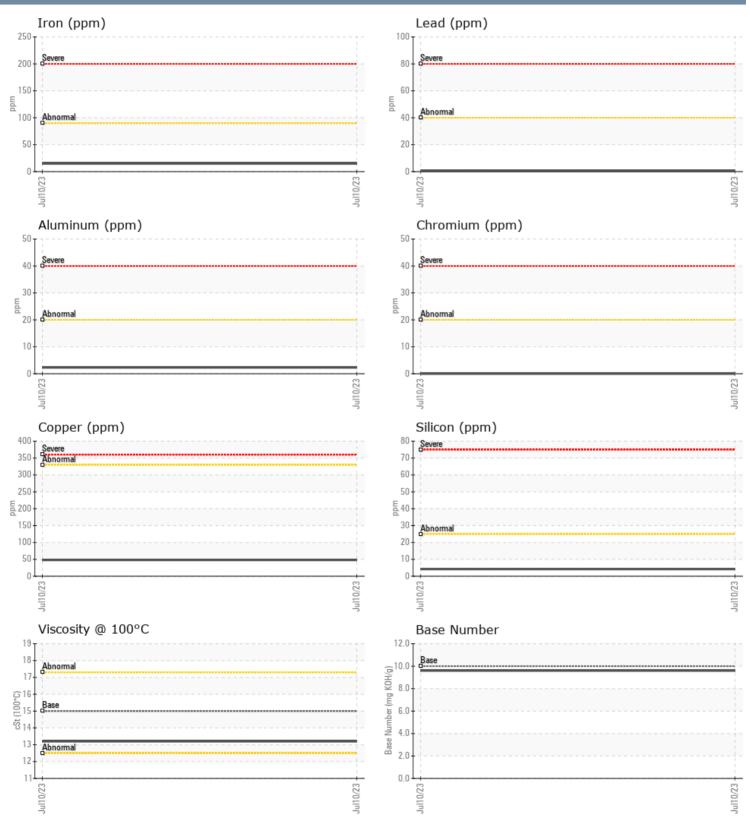
 Signed:
 Don Baldridge

 Report Date:
 04 Aug 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1190184 [WUSCAR] 05914349 (Generated: 08/08/2023 12:44:09) Rev: 1

Contact/Location: JAY SIEBERT - VP1190184