## **OIL ANALYSIS REPORT**

### SEA COAST CHARTER 205321 VOLVO PENTA 7011426990 - STARBOARD DIESEL ENGINE

Sample No: VPA036778

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

#### SAMPLE INFORMATION VPA036778 Sample Number Cogswell Marine & Motorsports, Inc Sample Date 24 Aug 2023 865 Stella Street Machine Hours 312 CHULA VISTA, CA **Oil Hours** 0 US 91911 Oil Changed Not Changd Contact: Mitchell Cogswell NORMAL Sample Status Cogswellmarinemotorsports@gmail.com **OIL CONDITION** T: F: 13.5 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.2 Diagnosis Oxidation (PA) % 55 No corrective action is recommended CONTAMINATION at this time. Resample at the next service interval to monitor.All Soot % % 0.1 component wear rates are normal. % Nitration (PA) 46 There is no indication of any Sulfation (PA) % 49 contamination in the oil. The condition of the oil is acceptable for % Glycol NEG the time in service. Fuel % <1.0 Silicon ppm 5 Sodium 2 ppm Potassium ppm 0 🔲 WEAR METALS Iron ppm 4 Copper 7 ppm Lead ppm 0 Tin **|** <1 ppm Aluminum ppm 0 Chromium 0 ppm Molybdenum 69 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm 0 Manganese 0 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1956 ppm Magnesium 358 ppm Zinc ppm 1301 Phosphorus ppm 1072 Barium ppm 0 Boron ppm 103 VP152133 Depot: Unique No: 10620381

Contact/Location: Mitchell Cogswell - VP152133

Doug Bogart

25 Aug 2023

Signed:

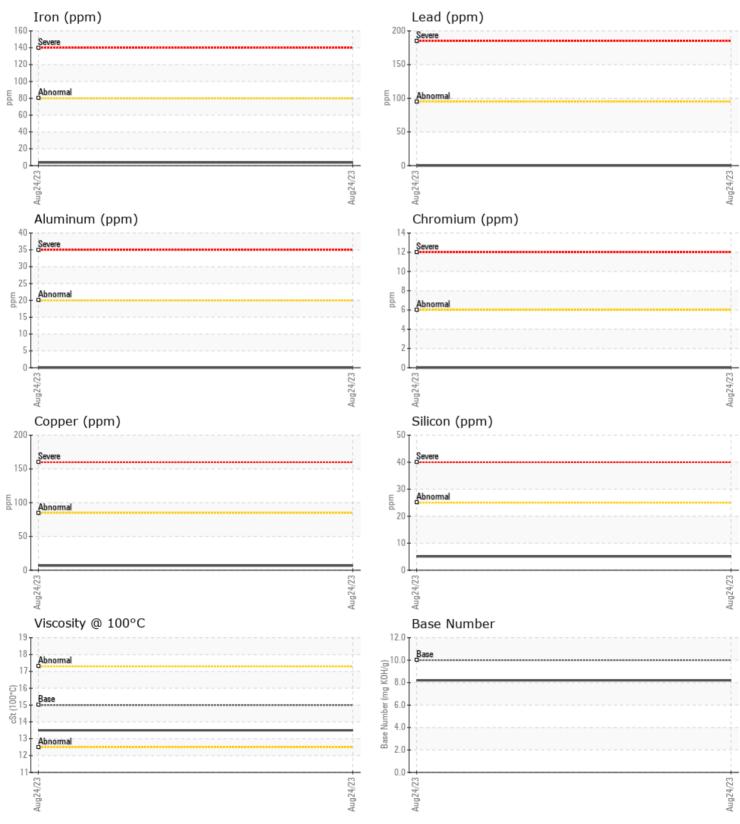
**Report Date:** 



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### GRAPHS



Report Id: VP152133 [WUSCAR] 05935110 (Generated: 08/25/2023 17:57:04) Rev: 1

Contact/Location: Mitchell Cogswell - VP152133