OIL ANALYSIS REPORT

MARTIN SCHULZ 505587 VOLVO PENTA A1165397 - PORT DIESEL ENGINE

Sample No: VPA049825

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

SAMPLE INFORMATION VPA049825 VPA041087 Sample Number Sample Date 21 Sep 2023 08 Dec 2022 Machine Hours 239 188 51 188 **Oil Hours** Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** 13.8 Visc @ 100°C 13.0 cSt Base Number (BN) mg KOH/g 8.3 11.0 Oxidation (PA) % 56 58 CONTAMINATION 0.1 Soot % % 0.2 % Nitration (PA) 54 48 Sulfation (PA) % 50 55 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 7 23 Sodium 2 2 ppm Potassium 3 3 ppm WEAR METALS Iron ppm 8 33 4 19 Copper ppm 6 Lead ppm 1 🔲 Tin ■ <1 4 ppm Aluminum ppm 5 11 2 Chromium **|** <1 ppm Molybdenum 68 41 ppm Nickel ■ <1 < 1 ppm Titanium 0 🔲 < 1 ppm Silver ppm 0 <1 Manganese **||** <1 2 ppm Vanadium 0 ppm <1 **ADDITIVES** Calcium 1919 1701 ppm Magnesium 189 447 ppm 1072 Zinc ppm 1200 Phosphorus ppm 1012 894 Barium ppm 0 🔲 <1 48 Boron ppm 112

 Depot:
 VP297371

 Unique No:
 10671644

 Signed:
 Sean Felton

 Report Date:
 02 Oct 2023



Jefferson Beach Yacht Sales Inc 24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: CORT CORINO ccorino@jbys.com T: (773)641-6947 F:

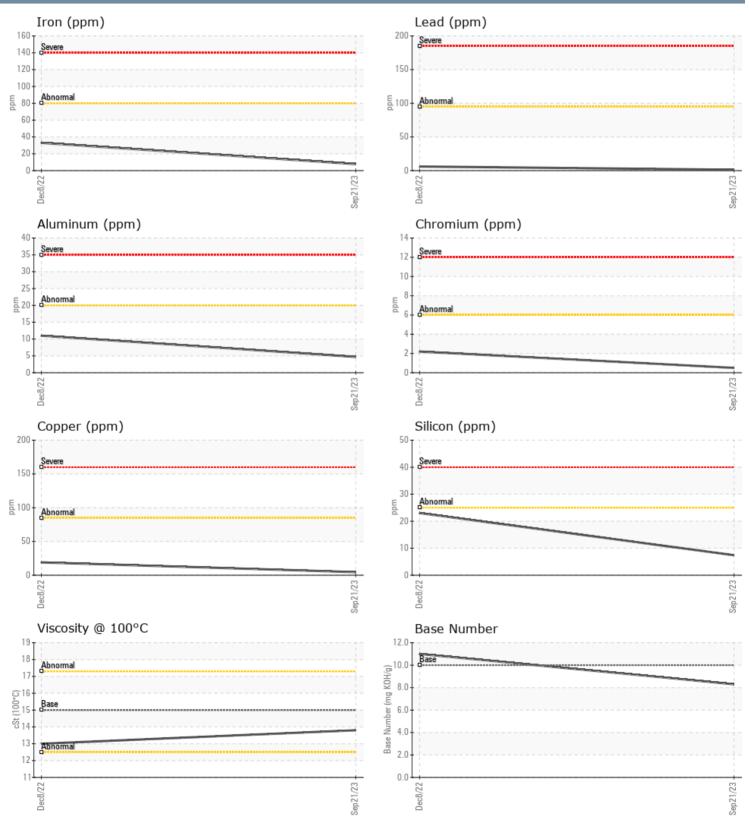
Diagnosis

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.

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GRAPHS



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Contact/Location: CORT CORINO - VP297371