OIL ANALYSIS REPORT

CRAIG LINN TAP489503 VOLVO PENTA A 1072562 - STARBOARD DIESEL ENGINE

VPA039722 Sample No:

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

SAMPLE INFORMATION VPA039722 Sample Number **FDDA TAMPA** Sample Date 09 May 2023 Machine Hours 214 **Oil Hours** 0 US Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C 14.5 cSt Base Number (BN) mg KOH/g 11.3 Oxidation (PA) % 59 CONTAMINATION % NEG Water % Soot % 0.8 Nitration (PA) % 70 % Sulfation (PA) 55 Glycol % NEG Fuel % <1.0 Silicon 27 ppm Sodium 3 ppm Potassium 4 ppm WEAR METALS Iron 55 ppm 24 Copper ppm Lead 11 ppm Tin 5 ppm Aluminum 14 ppm Chromium 3 ppm Molybdenum 51 ppm Nickel **4** ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 2 ppm Vanadium ■ <1 ppm **ADDITIVES** Calcium 2387 ppm Magnesium 592 ppm Zinc ppm 1485 Phosphorus ppm 1197 Barium 0 🔲 ppm Boron ppm 36 Depot:

VP208641 Unique No: 10469386 Signed: Doug Bogart **Report Date:** 15 May 2023

Contact/Location: KYLE SUTLEY - VP208641

TAMPA, FL Contact: KYLE SUTLEY k.sutley@ssss.com T: (813)918-8518

Diagnosis

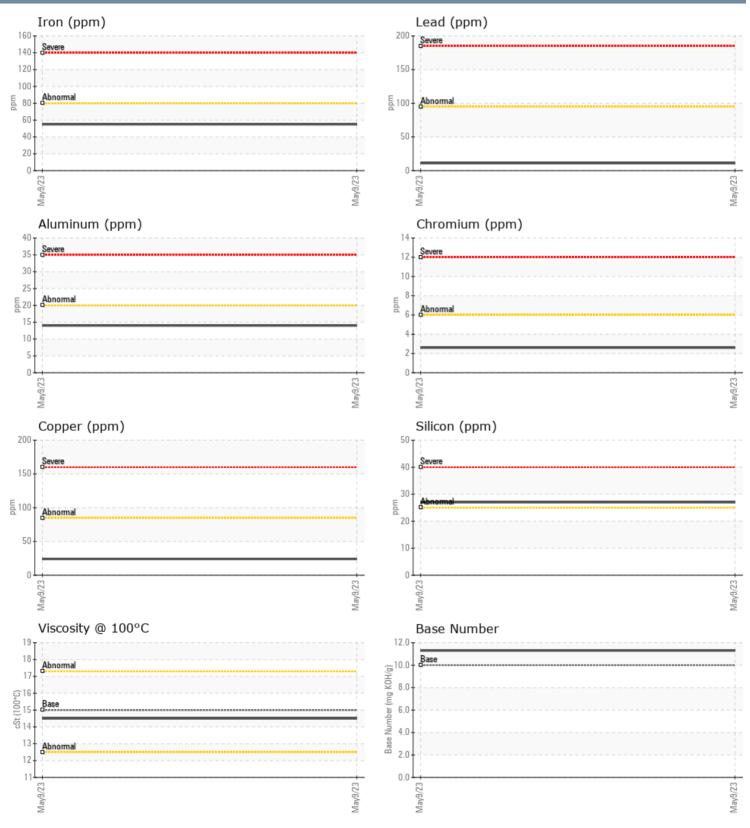
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



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GRAPHS



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Contact/Location: KYLE SUTLEY - VP208641