OIL ANALYSIS REPORT

STEVE KUTINA TAP538598 VOLVO PENTA A 1 169657 - STARBOARD DIESEL ENGINE

Sample No: VPA045646

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

SAMPLE INFORMATION VPA045646 Sample Number **FDDA TAMPA** Sample Date 06 Feb 2024 Machine Hours 205 **Oil Hours** 100 US Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: 12.7 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.5 Oxidation (PA) % 75 CONTAMINATION Water % NEG % Soot % 0.3 Nitration (PA) % 52 Sulfation (PA) % 60 Glycol % NEG Fuel % <1.0 Silicon 24 ppm Sodium **4** ppm Potassium 2 ppm WEAR METALS Iron 27 ppm 20 Copper ppm Lead 8 ppm Tin 3 ppm Aluminum ppm 27 Chromium 3 ppm Molybdenum 47 ppm Nickel **4** ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 1 🗌 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1812 ppm Magnesium ppm 535 Zinc ppm 1159 1007 Phosphorus ppm Barium **||** <1 ppm Boron ppm 52 Depot:

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

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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.

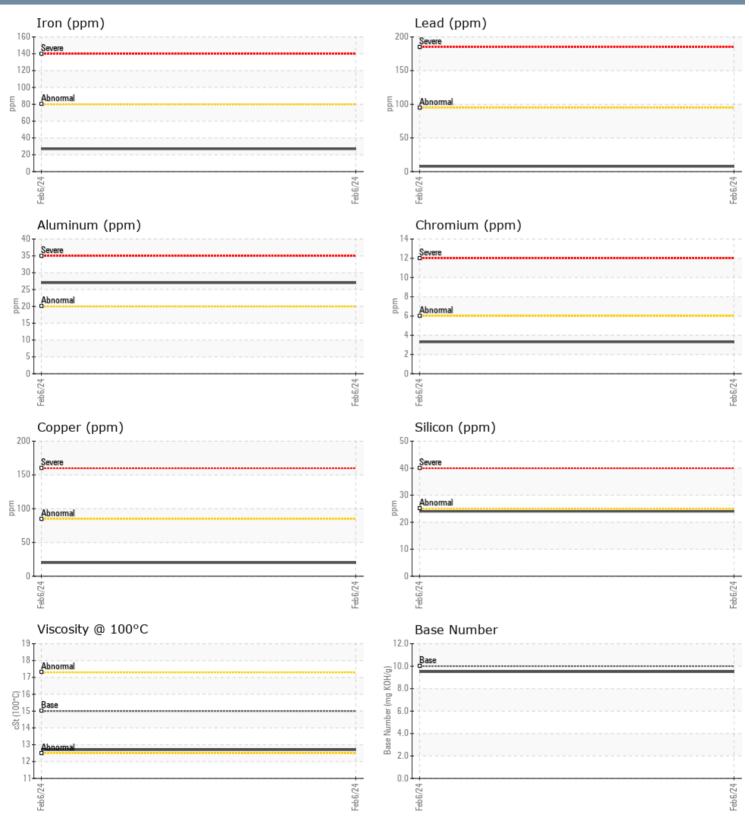
VP208641 Unique No: 10874361 Signed: Sean Felton **Report Date:** 14 Feb 2024

Contact/Location: KYLE SUTLEY - VP208641

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GRAPHS



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