OIL ANALYSIS REPORT

JOHN COLEMAN ALAN VOLVO PENTA 2013979520 - STARBOARD DIESEL ENGINE

Sample No: VPA050780

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

SAMPLE INFORMATION VPA050780 Sample Number Sample Date 11 Oct 2023 Machine Hours 496 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** T: F: Visc @ 100°C 13.1 cSt Base Number (BN) mg KOH/g 10.5 Oxidation (PA) % 80 CONTAMINATION Soot % % 0.2 % Nitration (PA) 55 Sulfation (PA) % 62 % Glycol NEG Fuel % <1.0 Silicon ppm 8 Sodium 3 ppm Potassium 1 ppm WEAR METALS Iron ppm 4 14 Copper ppm Lead ppm 0 Tin ■ <1 ppm Aluminum ppm 2 Chromium 0 ppm Molybdenum 43 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm 0 Vanadium ppm **ADDITIVES** Calcium 1592 ppm Magnesium 553 ppm Zinc ppm 1117 Phosphorus ppm 825 Barium ppm 0 🔲 Boron ppm 41



Precision Marine Center Llc 290 Drake Ave NEW ROCHELLE, NY US 10805 Contact: Marc Castellano marc@precisionmarinecenter.com T: E-

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.

 Depot:
 VP850387

 Unique No:
 10696631

 Signed:
 Sean Felton

 Report Date:
 17 Oct 2023

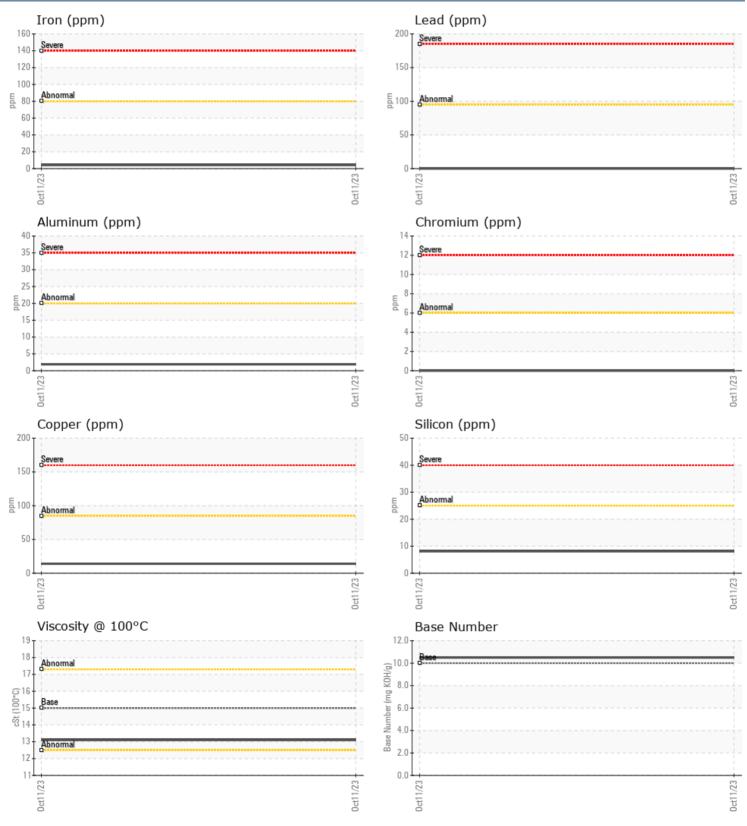
Contact/Location: Marc Castellano - VP850387



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GRAPHS



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