OIL ANALYSIS REPORT

GEORGE MEARS 902731 VOLVO PENTA A 1 105627 - PORT DIESEL ENGINE

VPA036772 Sample No:

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

SAMPLE INFORMATION VPA036772 Sample Number Sample Date 02 Oct 2023 Machine Hours 498 **Oil Hours** 36 US 91911 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** T: F: Visc @ 100°C 13.8 cSt Base Number (BN) mg KOH/g 9.9 Oxidation (PA) % 51 CONTAMINATION Soot % % 0.4 % Nitration (PA) 45 Sulfation (PA) % 51 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 1 ppm Potassium 0 🔲 ppm WEAR METALS 18 Iron ppm 5 🔲 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum 1 ppm Chromium **||** < 1 ppm Molybdenum 54 ppm Nickel ■ <1 ppm Titanium **||** <1 ppm Silver ppm **||** <1 Manganese **||** <1 ppm 0 Vanadium ppm **ADDITIVES** Calcium 1073 ppm Magnesium 954 ppm Zinc ppm 1262 Phosphorus ppm 1039 Barium ppm 0 🔲 Boron ppm 10 Depot:

Cogswell Marine & Motorsports, Inc 865 Stella Street CHULA VISTA, CA Contact: Mitchell Cogswell Cogswellmarinemotorsports@gmail.com

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.

VP152133 Unique No: 10682639 Signed: Don Baldridge **Report Date:** 09 Oct 2023

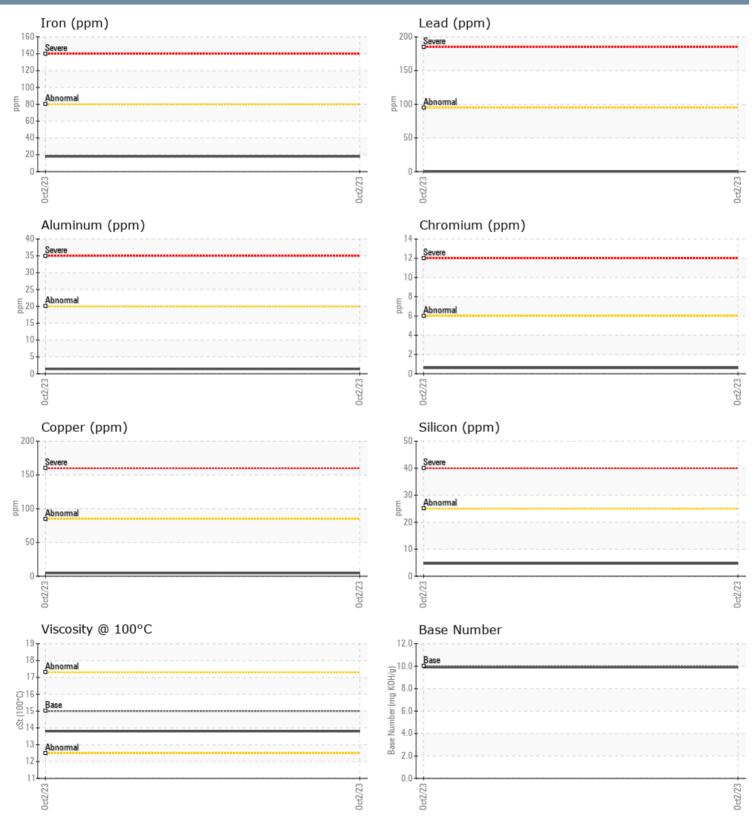
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VOLVO PENTA

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GRAPHS



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