OIL ANALYSIS REPORT

DAVID C SIGO SR AK 502184 VOLVO PENTA A 1 147859 - DIESEL ENGINE

Sample No: VPA036974

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

SAMPLE INFORMATION Sample Number VPA036974 Endor Marine LLC - Coastal Marine - 152124 Sample Date 07 Aug 2023 Machine Hours 587 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.3 Base Number (BN) mg KOH/g 8.8 Oxidation (PA) % 66 CONTAMINATION Soot % % 0.5 % Nitration (PA) 71 Sulfation (PA) % 57 % Glycol NEG Fuel % <1.0 Silicon ppm 11 Sodium 3 ppm Potassium ppm 3 WEAR METALS 45 Iron ppm 21 Copper ppm Lead ppm 7 Tin 3 ppm Aluminum 21 ppm Chromium 4 ppm Molybdenum 61 ppm Nickel 6 ppm Titanium < 1 </p> ppm Silver ppm 0 Manganese 1 ppm Vanadium ppm <1 ADDITIVES Calcium 1216 ppm Magnesium 1035 ppm Zinc ppm 1350 Phosphorus ppm 1030 Barium ppm 0 Boron ppm 1



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.

VP794951 Depot: Unique No: 10592882 Signed: Jonathan Hester **Report Date:** 11 Aug 2023

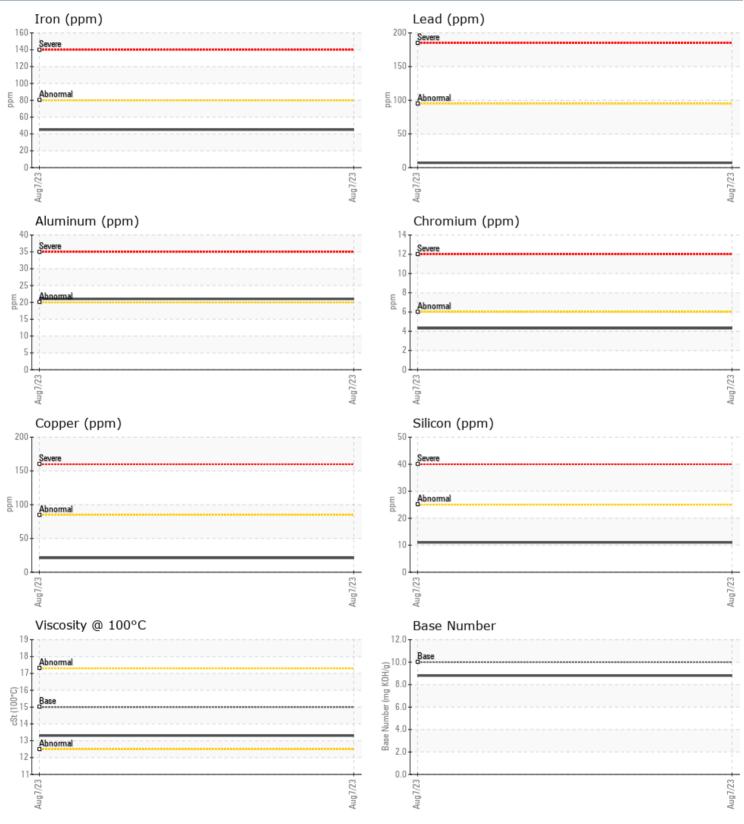
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GRAPHS



Report Id: VP794951 [WUSCAR] 05920968 (Generated: 08/14/2023 20:23:27) Rev: 1

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