[MARK LINTON [501400]] ONAN J180432133 - GENSET

Sample No: VPA043231

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

44

• ppm

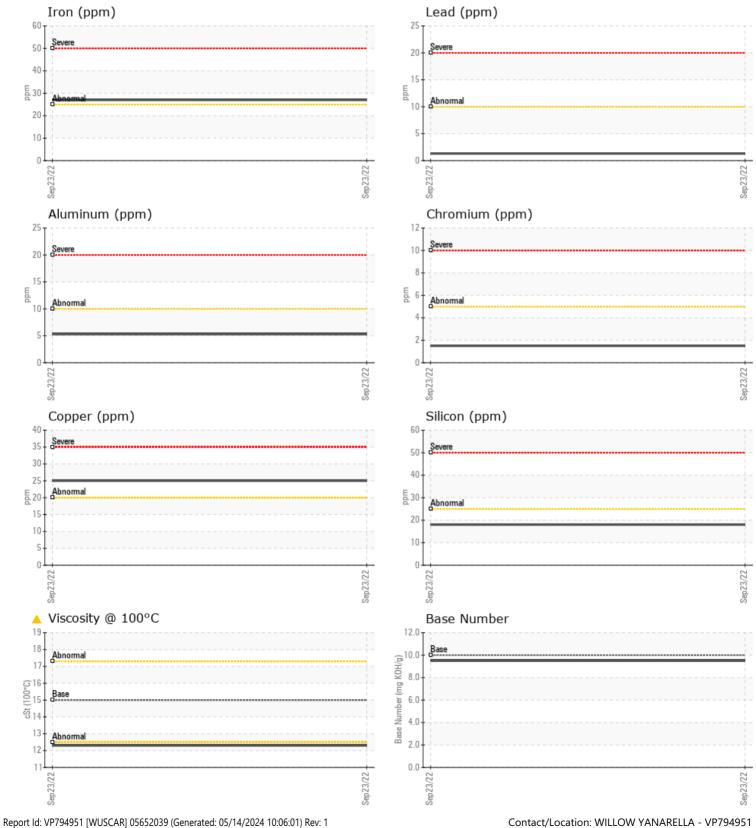
Boron

SAMPLE INFORMATION VPA043231 Sample Number 23 Sep 2022 Sample Date 4300 11th Ave. NW Machine Hours 478 SEATTLE, WA Oil Hours 0 US 98107 Oil Changed N/A Sample Status ABNORMAL T: (206)784-3703 **OIL CONDITION** F: (206)784-8823 **12.3** Visc @ 100°C cSt Diagnosis 9.5 Base Number (BN) mg KOH/g Oxidation (PA) % 78 CONTAMINATION % NEG Water % 0.1 Soot % Nitration (PA) 87 % % Sulfation (PA) 61 in the oil. Glycol % NEG % Fuel Silicon ppm 18 Sodium 4 ppm Potassium ppm 2 WEAR METALS 27 Iron ppm Copper 25 ppm Lead ppm 1 Tin ppm **||** <1 Aluminum ppm 5 Chromium 2 ppm Molybdenum 57 ppm Nickel 0 ppm Titanium ppm <1 Silver ppm <1 Manganese 4 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1990 ppm Magnesium 539 ppm Depot: VP794951 Zinc 1247 Unique No: 10151591 ppm Signed: Don Baldridge 1002 Phosphorus ppm **Report Date:** 29 Sep 2022 Barium ppm 8 🔲 Contact/Location: WILLOW YANARELLA - VP794951 10:05:59) Rev: 1

Endor Marine LLC - Coastal Marine - 152124 Contact: WILLOW YANARELLA service@coastalmarineengine.com

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining

GRAPHS



Contact/Location: WILLOW YANARELLA - VP794951