OIL ANALYSIS REPORT

NELSON JB VOLVO PENTA A 1087625 - STARBOARD DIESEL ENGINE

Sample No: VPA036987

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

SAMPLE INFORMATION VPA036987 VPA044083 Sample Number Sample Date 30 Oct 2023 06 Nov 2022 360 Gooseberry Road Machine Hours 184 155 WAKEFIELD, RI **Oil Hours** 0 0 US 02879 Oil Changed Changed Changed Contact: MATT ST. ANGELO NORMAL Sample Status NORMAL service@pjmarina.com;canastasio@wearcheckusa.com T: (401)789-7189 **OIL CONDITION** F: (401)783-5350 Visc @ 100°C cSt 14.2 13.5 Base Number (BN) mg KOH/g 9.6 7.9 Diagnosis Oxidation (PA) % 54 71 CONTAMINATION 0.1 Soot % % 0.1 % Nitration (PA) 43 65 Sulfation (PA) % 50 53 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 6 13 Sodium 0 🔲 4 ppm Potassium ppm 2 3 WEAR METALS 13 Iron ppm 15 Copper 5 7 ppm 3 Lead ppm 2 Tin ■ <1 <1 ppm 12 Aluminum ppm 5 1 Chromium **||** < 1 ppm Molybdenum 79 ppm 63 Nickel 1 3 ppm Titanium **||** <1 0 ppm Silver ppm 0 🔲 1 Manganese **||** <1 <1 ppm Vanadium 0 <1 ppm **ADDITIVES** Calcium 1222 2042 ppm Magnesium 731 112 ppm 1225 Zinc ppm 1154 Phosphorus ppm 1072 953 Barium ppm 5 0 86 Boron ppm 17





Point Judith Marina

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

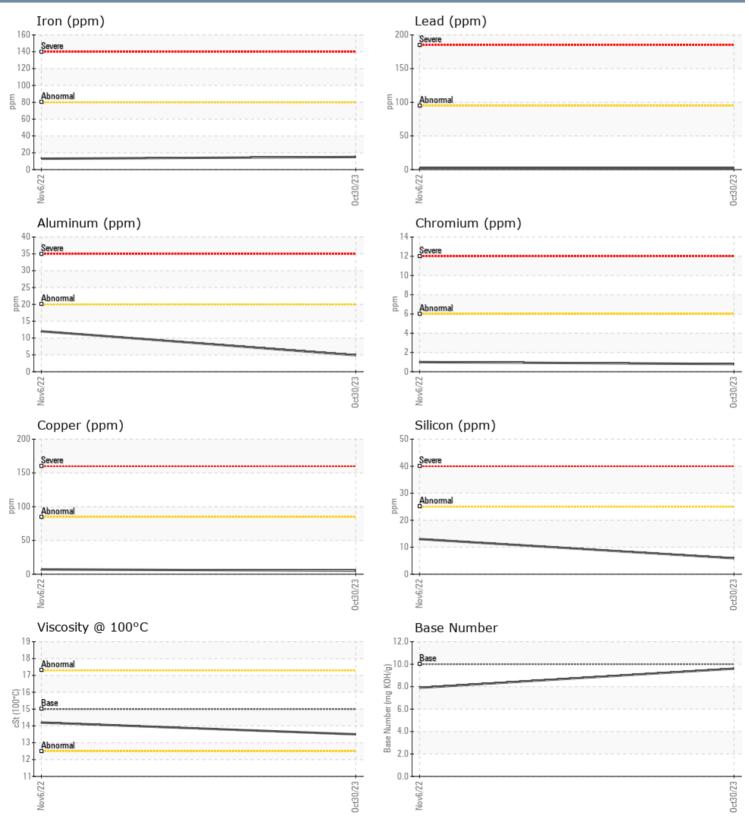
condition of the oil is suitable for

further service.

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153811 [WUSCAR] 06000189 (Generated: 11/13/2023 01:25:35) Rev: 1

Contact/Location: MATT ST. ANGELO - VP153811