## **OIL ANALYSIS REPORT**

### LINDQUIST 520S-24 VOLVO PENTA A943957 - PORT DIESEL ENGINE

Sample No: VPA021385

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION VPA021385 Sample Number Sample Date 12 Dec 2023 Machine Hours 294 20 **Oil Hours** Oil Changed Changed NORMAL Sample Status Т٠ **OIL CONDITION** F: Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) % 54 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 38 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium **||** <1 ppm Potassium 0 ppm WEAR METALS Iron ppm 1 **||** <1 Copper ppm Lead ppm 0 Tin ppm <1 Aluminum ppm **|** <1 Chromium 0 ppm 54 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese **||** < 1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1023 ppm 897 Magnesium ppm Zinc ppm 1195 Phosphorus ppm 999 Barium 0 🔲 ppm Boron ppm 10 Depot:

#### Outstanding Marine

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T:

### 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 suitable for further service.



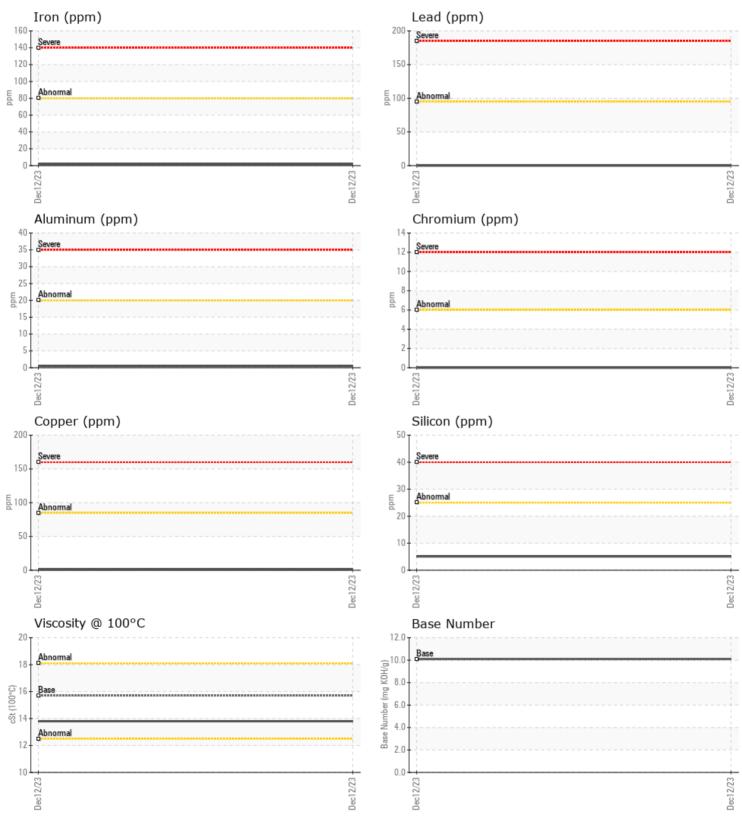
Contact/Location: Ronda Bolinger - VP153685

VP153685

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP153685 [WUSCAR] 06050380 (Generated: 01/04/2024 16:34:53) Rev: 2

Contact/Location: Ronda Bolinger - VP153685