## **OIL ANALYSIS REPORT**

### VOLVO PENTA 2006009022 - STARBOARD DIESEL ENGINE

Sample No: VPA06223982

Oil Type: SHELL ROTELLA T4 15W40

#### SAMPLE INFORMATION VPA06223982 Sample Number Sample Date 24 Jun 2024 Machine Hours 812 28 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status Т٠ **OIL CONDITION** F: Visc @ 100°C 14.69 cSt Base Number (BN) mg KOH/g 8.5 Oxidation (PA) % 65 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 53 % Sulfation (PA) 55 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium 5 ppm Potassium 7 ppm WEAR METALS Iron 13 ppm 3 Copper ppm Lead ■ <1 ppm Tin ■ <1 ppm Aluminum ppm 3 Chromium ppm <1 Molybdenum ppm 17 Nickel 2 ppm Titanium ppm **||** <1 Silver ■ <1 ppm Manganese 1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1929 ppm Magnesium 242 ppm Zinc ppm 1237 1083 Phosphorus ppm Barium 0 ppm Boron ppm 123 Depot:

Contact/Location: MIKE KORNISH - VP543511

VP543511

Seaborn Marina Inc. 87 Ocean Ave. BAY SHORE, NY US 11706 Contact: MIKE KORNISH mikek@seabornmarina.com T:

#### Diagnosis

No corrective action is recommended at this time. 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.

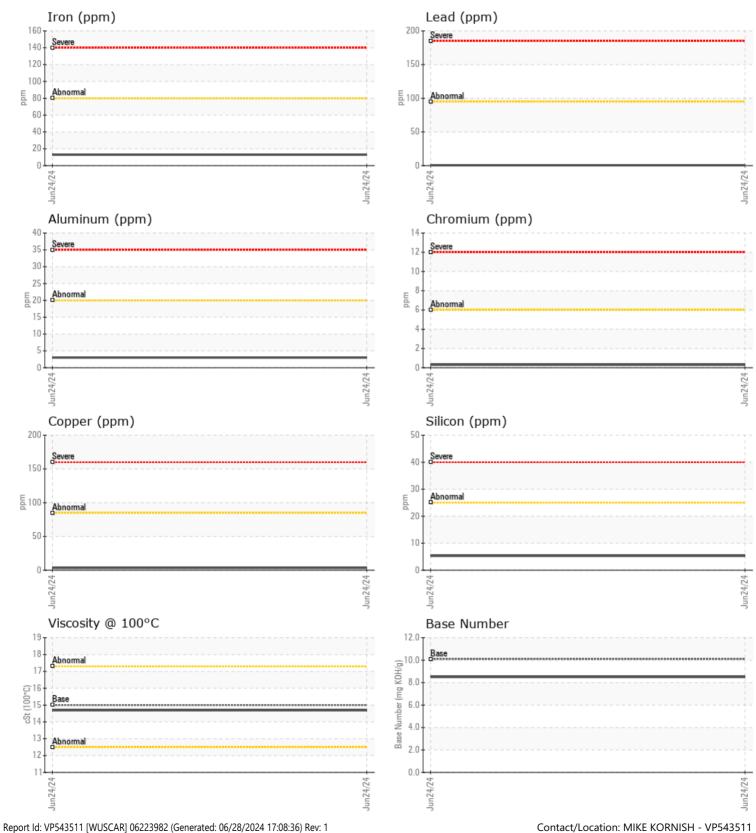


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#### GRAPHS



ON: MIKE KORNISH - VP34351