# **OIL ANALYSIS REPORT**

## BAY YACHTS VOLVO PENTA 70112052300 - STARBOARD DIESEL ENGINE

Sample No: VPA036574

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

#### SAMPLE INFORMATION VPA036574 Sample Number 05 Jul 2023 Sample Date Machine Hours 53 **Oil Hours** 53 Oil Changed Not Changd MARGINAL Sample Status **OIL CONDITION** F: Visc @ 100°C 12.4 cSt Base Number (BN) mg KOH/g 9.4 Oxidation (PA) % 63 CONTAMINATION Soot % % 0.2 % Nitration (PA) 48 Sulfation (PA) % 54 % Glycol NEG Fuel % 2.6 Silicon ppm **A** 27 Sodium 2 ppm Potassium 2 ppm WEAR METALS 10 Iron ppm 12 Copper ppm Lead ppm 0 Tin 1 ppm Aluminum ppm 2 Chromium **||** < 1 ppm Molybdenum 58 ppm Nickel ■ <1 ppm Titanium < 1 </p> ppm Silver ppm 0 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1328 ppm Magnesium 693 ppm **1109** Zinc ppm

#### WINTER HARBOR MARINA

604 CO RT 37 CENTRAL SQUARE, NY US 13036 Contact: SERVICE MANAGER info@winterha.com T: (315)668-9229 E.

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.

 Depot:
 VP1376550

 Unique No:
 10549122

 Signed:
 Doug Bogart

 Report Date:
 11 Jul 2023

923

0 🔲

27

ppm

ppm

ppm

Phosphorus

Barium

Boron

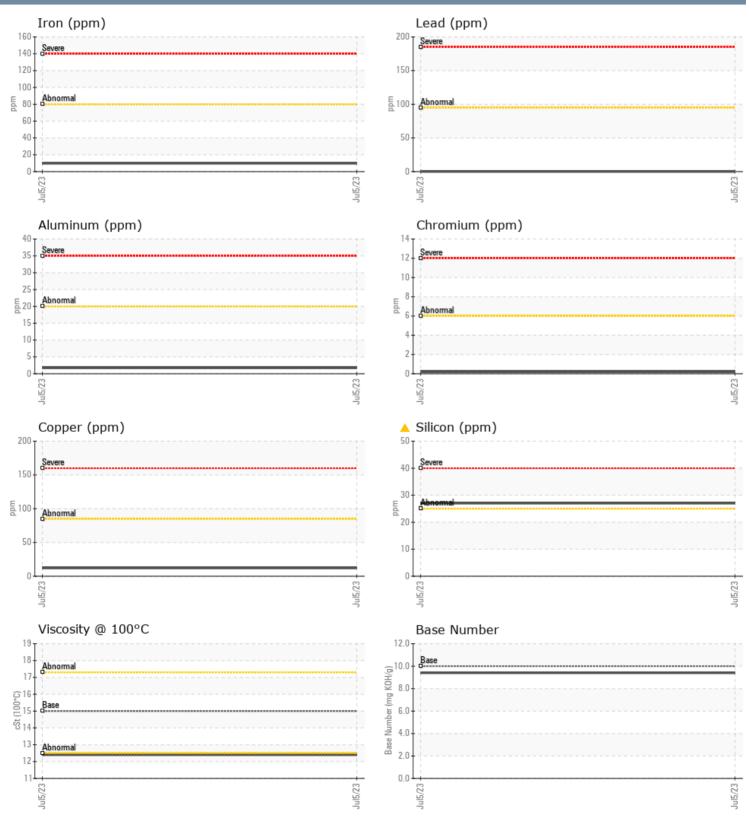
Contact/Location: SERVICE MANAGER - VP1376550



# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VP1376550 [WUSCAR] 05893312 (Generated: 07/11/2023 17:13:20) Rev: 1

Contact/Location: SERVICE MANAGER - VP1376550