## **OIL ANALYSIS REPORT**

## HOFFMANN WATERSPORTS ENG 2 - 028 VOLVO PENTA A446687 - CENTER DIESEL ENGINE

VPA035542 Sample No:

**Oil Type: PROVIDENCE SYNTHETIC 15W40** 

#### SAMPLE INFORMATION VPA035542 VPA035573 Sample Number Marco Island Ski & Water Sport 28 Feb 2024 21 Jul 2023 Sample Date 1392 Machine Hours 6282 5885 MARCO ISLAND, FL **Oil Hours** 105 110 US 34146 Oil Changed Changed Changed Contact: Bradlev Cotten ABNORMAL Sample Status NORMAL bradc@marcoislandwatersports.com **OIL CONDITION** Τ· F: Visc @ 100°C 14.9 cSt 13.7 Base Number (BN) mg KOH/g 9.7 9.8 Diagnosis Oxidation (PA) % 57 56 Oil and filter change at the time of CONTAMINATION sampling has been noted. Resample at the next service interval to Water % NEG NFG monitor.All component wear rates % Soot % 0.1 0.1 are normal. Sodium and/or potassium levels are high. Test for Nitration (PA) % 56 46 glycol is negative. The BN result Sulfation (PA) % 50 49 indicates that there is suitable Glycol % NEG NEG alkalinity remaining in the oil. The Fuel % <1.0 <1.0 condition of the oil is acceptable for Silicon 13 3 ppm the time in service. Sodium 1 2 ppm Potassium 2 ppm WEAR METALS Iron 4 2 ppm 8 4 Copper ppm Lead ppm 0 🔲 < 1 Tin ppm 0 ■ <1 Aluminum 2 ppm **|** <1 Chromium 0 < 1 ppm Molybdenum 55 ppm 57 Nickel 0 🔲 0 ppm Titanium 0 🔲 0 ppm Silver 0 0 ppm 0 Manganese 0 ppm Vanadium 0 0 ppm **ADDITIVES** 1035 Calcium 1058 ppm 963 875 Magnesium ppm Zinc ppm 1233 1152 Phosphorus ppm 1083 941 Barium 0 🔲 0 ppm Boron ppm 0 ■ < 1 Depot: Unique No: Signed:

Contact/Location: Bradley Cotten - VP153258

**Report Date:** 

VP153258

10913301

Jonathan Hester

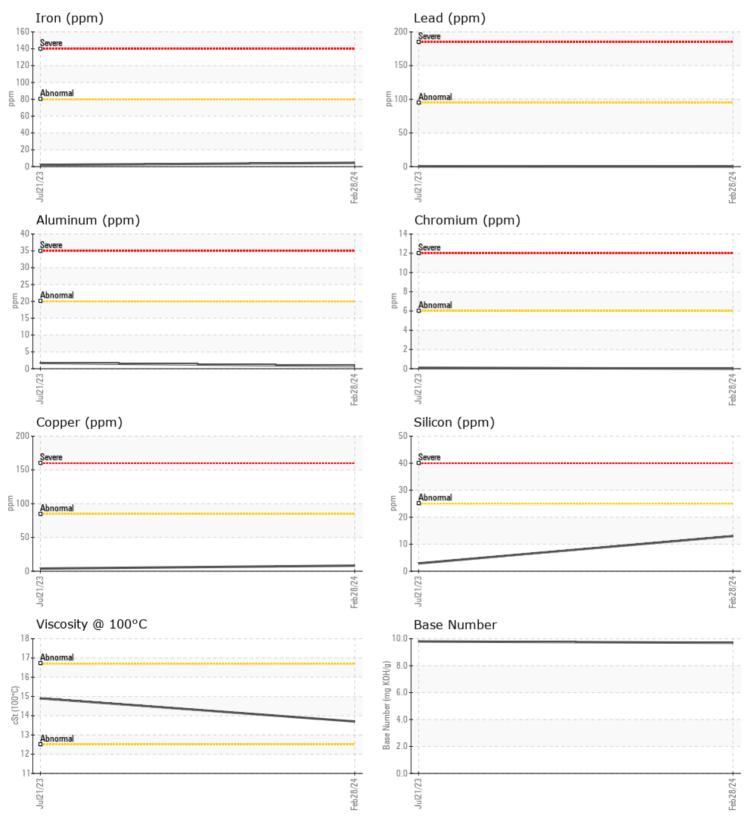
08 Mar 2024



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### GRAPHS



Report Id: VP153258 [WUSCAR] 06109804 (Generated: 03/08/2024 17:24:43) Rev: 1

Contact/Location: Bradley Cotten - VP153258