OIL ANALYSIS REPORT

HOFFMANN WATERSPORTS VOLVO PENTA A421672 - CENTER DIESEL ENGINE

VPA035569 Sample No:

Oil Type: PROVIDENCE SYNTHETIC 15W40

SAMPLE INFORMATION VPA035569 VPA035571 Sample Number Marco Island Ski & Water Sport 27 Jul 2023 23 Jul 2023 Sample Date 1392 Machine Hours 4316 4301 MARCO ISLAND, FL **Oil Hours** 15 80 US 34146 Oil Changed Changed Changed Contact: Bradlev Cotten ABNORMAL Sample Status NORMAL bradc@marcoislandwatersports.com **OIL CONDITION** T: F: Visc @ 100°C 15.0 cSt 15.0 Base Number (BN) mg KOH/g 12.5 9.4 Diagnosis Oxidation (PA) % 57 55 We advise that you check for possible CONTAMINATION coolant leak. Check for low coolant level. Oil and filter change at the time 0.1 Soot % % 0.1 of sampling has been noted. We % Nitration (PA) 60 47 recommend an early resample to monitor this condition.All component Sulfation (PA) % 45 49 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 4 3 Sodium 2 1 ppm Potassium 2 ppm WEAR METALS Iron ppm 4 3 **4** 3 Copper ppm < 1 Lead ppm <1 Tin ■ <1 0 ppm Aluminum ppm 4 3 < 1 Chromium **||** < 1 ppm Molybdenum 56 ppm 54 ■<1 Nickel 0 ppm Titanium 0 🔲 < 1 ppm Silver ■ <1 0 ppm Manganese 0 0 ppm 0 0 Vanadium ppm **ADDITIVES** Calcium 1062 1053 ppm Magnesium 854 877 ppm Zinc ppm 1148 1156 Phosphorus ppm 941 949 Barium ppm 0 🔲 0 Boron 16 1 ppm Depot:

Report Id: VP153258 [WUSCAR] 05911787 (Generated: 08/03/2023 13:43:46) Rev: 1

Contact/Location: Bradley Cotten - VP153258

Unique No:

Report Date:

Signed:

VP153258

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02 Aug 2023

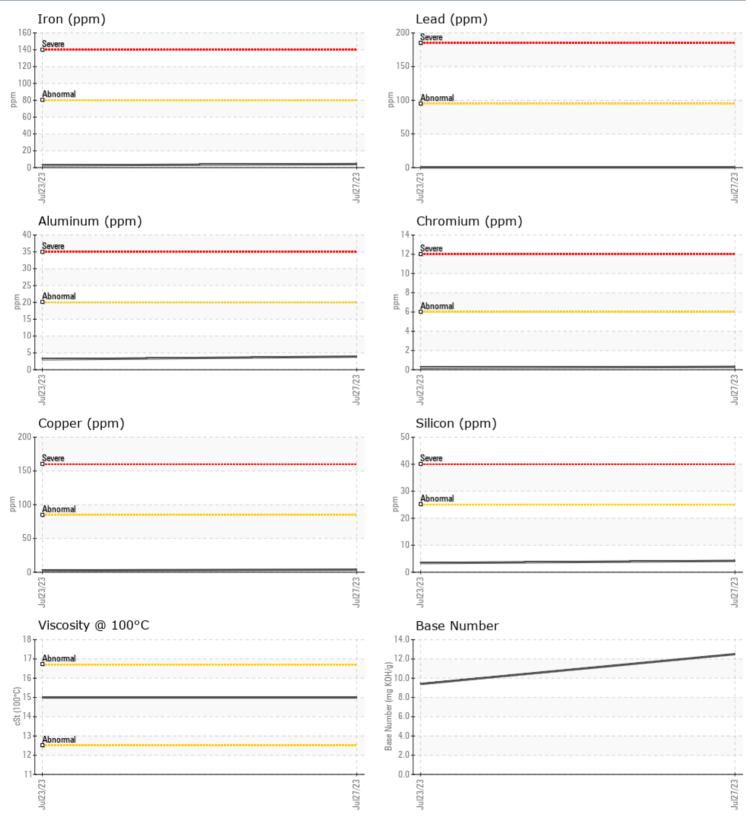
Jonathan Hester



OIL ANALYSIS REPORT



GRAPHS



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