OIL ANALYSIS REPORT

HOFFMANN WATERSPORTS BC/02 VOLVO PENTA A643737 - DIESEL ENGINE

VPA035580 Sample No:

Oil Type: PROVIDENCE SYNTHETIC 15W40

SAMPLE INFORMATION VPA035580 VPA035637 Sample Number Sample Date 13 Mar 2024 28 Jul 2023 Machine Hours 6470 6031 **Oil Hours** 106 100 Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** F: Visc @ 100°C 14.2 14.5 cSt Base Number (BN) mg KOH/g 10.2 8.9 Oxidation (PA) % 61 59 CONTAMINATION NFG Water % NEG % Soot % 0.1 0.1 Nitration (PA) % 54 52 Sulfation (PA) % 50 50 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 4 3 ppm Sodium 1 2 ppm Potassium 5 2 ppm WEAR METALS Iron 2 2 ppm 5 2 Copper ppm Lead ppm 1 🗌 < 1 Tin 0 ppm ■ <1 Aluminum 2 ppm 3 Chromium 0 < 1 ppm Molybdenum 59 54 ppm Nickel 2 0 ppm Titanium ppm 0 🔲 0 Silver ■ <1 0 ppm 0 Manganese <1 ppm Vanadium <1 0 ppm **ADDITIVES** 963 Calcium 1121 ppm **1070** 863 Magnesium ppm Zinc ppm 1367 1125 Phosphorus ppm 1124 912 Barium 0 🔲 0 ppm Boron ppm 3 4 Depot: Unique No:

Report Date: 28 Mar 2024 Contact/Location: Bradley Cotten - VP153258

Signed:

VP153258

10943203

Don Baldridge



Marco Island Ski & Water Sport 1392 MARCO ISLAND, FL US 34146 Contact: Bradlev Cotten bradc@marcoislandwatersports.com T:

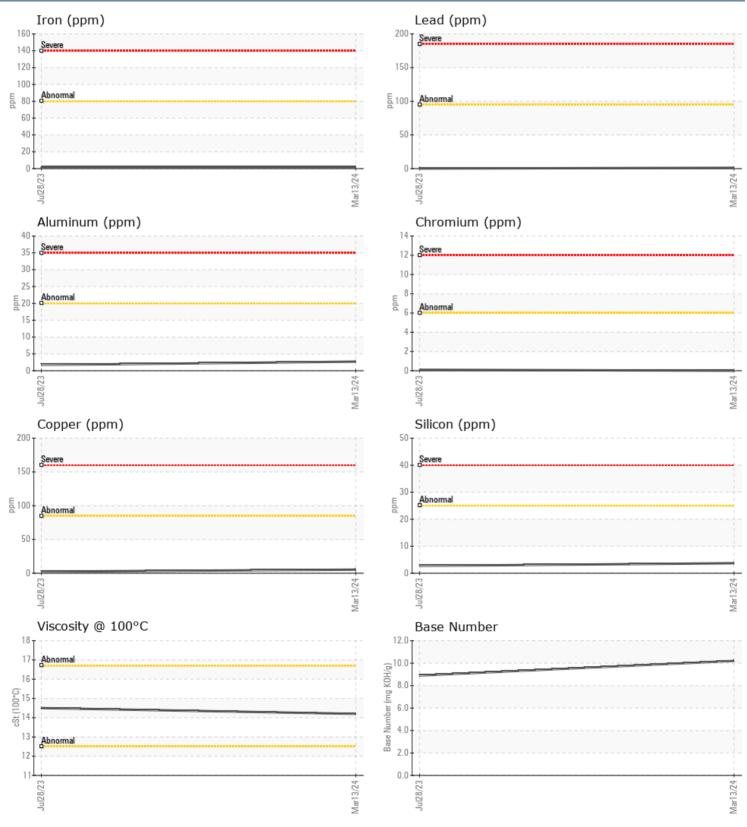
Diagnosis

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.

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Bradley Cotten - VP153258