OIL ANALYSIS REPORT

HAUCK 505907 VOLVO PENTA A 1050652 - STARBOARD DIESEL ENGINE

Sample No: VPA056338

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA056338 VPA042449 Sample Number 08 Jan 2024 Sample Date 01 Feb 2023 Machine Hours 352 338 **Oil Hours** 0 0 Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** 13.1 Visc @ 100°C cSt 13.3 Base Number (BN) mg KOH/g 9.9 10.2 Oxidation (PA) % 54 58 CONTAMINATION % Water NEG NFG % Soot % 0.3 0.5 Nitration (PA) % 44 59 Sulfation (PA) % 51 55 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 4 9 ppm Sodium 1 2 ppm Potassium 0 ppm <1 WEAR METALS 10 19 Iron ppm 5 12 Copper ppm Lead 4 ppm 1 🗌 Tin 0 Π1 ppm Aluminum 6 ppm 3 Chromium <1 1 ppm 61 Molybdenum 54 ppm Nickel ■ <1</p> 3 ppm Titanium ppm 0 🔲 < 1 Silver 0 | <1 ppm Manganese 0 🔲 1 ppm Vanadium ppm 0 <1 **ADDITIVES** 1025 Calcium 1085 ppm Magnesium 968 932 ppm Zinc ppm 1271 1193 Phosphorus ppm 1071 925 Barium 0 0 ppm Boron ppm 10 1 Depot: Unique No:

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: DENNIS BUTT dbutt@jbys.com T: (866)490-5297 F:

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 suitable for further service.

Report Date: 17 Jan 2024 Contact/Location: DENNIS BUTT - VP297371

Signed:

VP297371

10832024

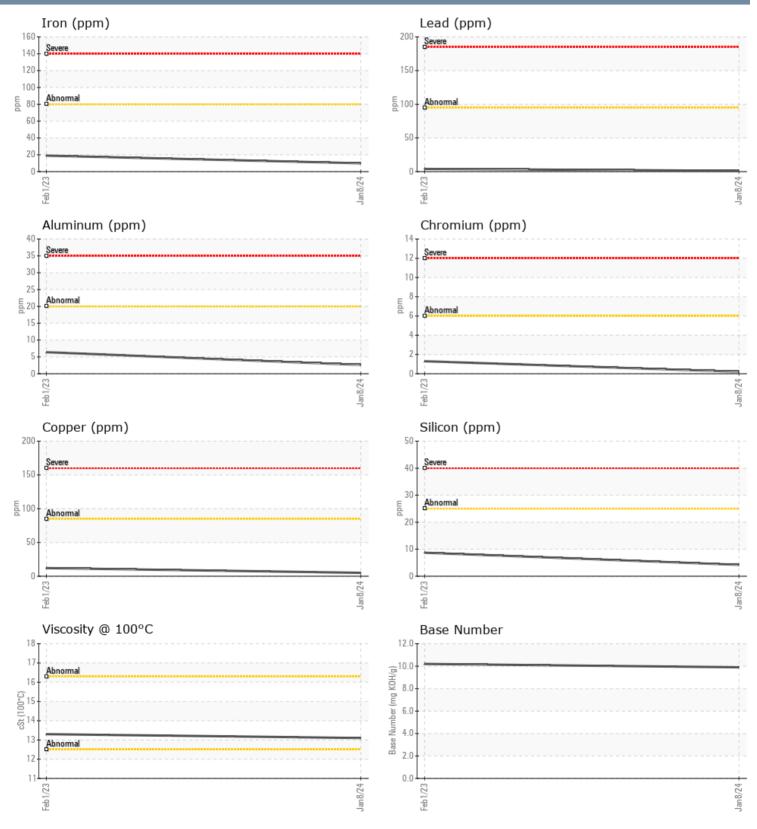
Angela Borella



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GRAPHS



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