OIL ANALYSIS REPORT

VOLVO PENTA

JIM HICKEY WESTERBEKE D-707 - GENSET

Sample No: VPA059318

Oil Type: MERCURY 10W30

SAMPLE INFORMATION VPA059318 VPA038612 Sample Number Sample Date 23 Oct 2023 07 Mar 2022 Machine Hours 408 0 2 0 **Oil Hours** Oil Changed Changed N/A NORMAL NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 11.2 12.7 Base Number (BN) mg KOH/g 9.0 9.4 Oxidation (PA) % 45 43 CONTAMINATION Soot % % 0 🔲 0 % Nitration (PA) 38 41 Sulfation (PA) % 42 43 % Glycol NEG NEG Fuel % <1.0 < 1.0 Silicon ppm 6 5 Sodium 7 4 ppm Potassium **||** <1 < 1 ppm WEAR METALS Iron ppm 2 6 2 3 Copper ppm < 1 Lead ppm <1 Tin ■ <1 < 1 ppm Aluminum 4 5 ppm < 1 Chromium 0 ppm Molybdenum 42 47 ppm Nickel 0 0 ppm Titanium 0 0 ppm Silver ppm 0 0 Manganese <1 < ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1940 2237 ppm Magnesium 26 12 ppm 764 Zinc ppm 923 653 Phosphorus ppm 768 Barium ppm 0 0 184 Boron ppm 211

CHICAGO YACHT WORKS

2550 S ASHLAND AVE CHICAGO, IL US 60608 Contact: JONATHAN PAIGE jonathan@chicagoyachtworks.com T: (312)666-6670

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.

 Depot:
 VP1080862

 Unique No:
 10714086

 Signed:
 Don Baldridge

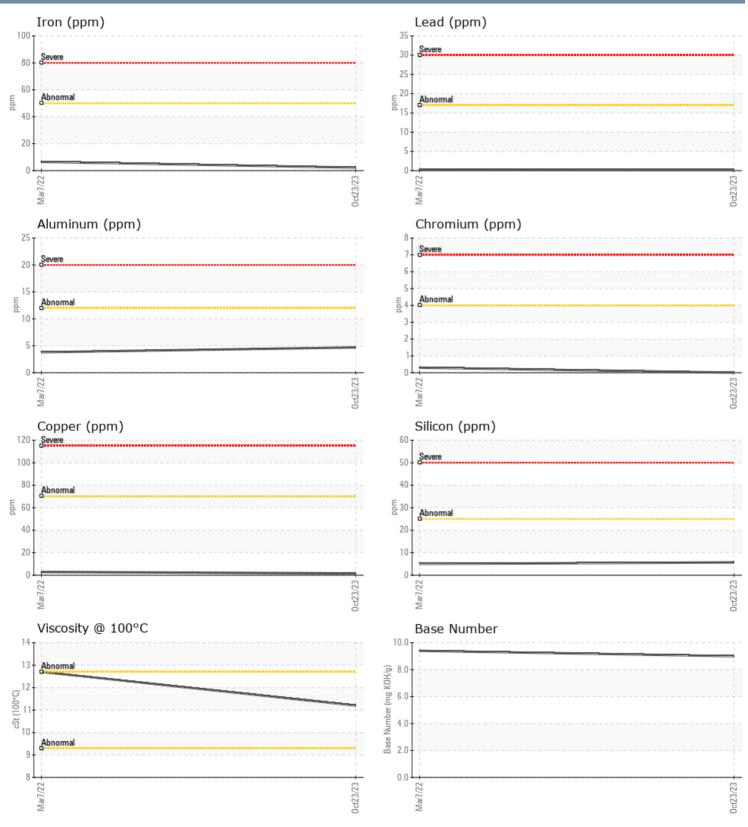
 Report Date:
 30 Oct 2023

Contact/Location: JONATHAN PAIGE - VP1080862

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GRAPHS



Report Id: VP1080862 [WUSCAR] 05991424 (Generated: 10/30/2023 16:04:53) Rev: 1

Contact/Location: JONATHAN PAIGE - VP1080862