OIL ANALYSIS REPORT

JOE WANNER MERCRUISER 1A615523 - STARBOARD GASOLINE ENGINE

Sample No: VPA044767

Oil Type: MERCURY 25W40

SAMPLE INFORMATION Sample Number VPA044767 VPA038619 **CHICAGO YACHT WORKS** Sample Date 24 Oct 2022 27 Oct 2021 Machine Hours 534 458 **Oil Hours** 71 0 Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 11.3 10.4 Base Number (BN) mg KOH/g 6.8 Oxidation (PA) % 17 20 CONTAMINATION 0.1 Soot % % 0.1 % Nitration (PA) 11 13 Sulfation (PA) % 14 15 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 23 40 Sodium ■<1 4 ppm Potassium ppm 2 1 WEAR METALS 21 92 Iron ppm 6 2 Copper ppm 8 Lead ppm 3 Tin 1 3 ppm Aluminum 5 ppm 2 2 Chromium 1 ppm Molybdenum 38 45 ppm Nickel ■ <1 1 ppm Titanium ppm <1 < 1 0 Silver ppm 0 Manganese 1 2 ppm Vanadium 0 <1 ppm **ADDITIVES** Calcium 1592 1422 ppm 206 Magnesium 61 ppm 775 821 Zinc ppm Phosphorus ppm 601 674 Barium ppm 0 0 Boron ppm 0



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

Diagnosis

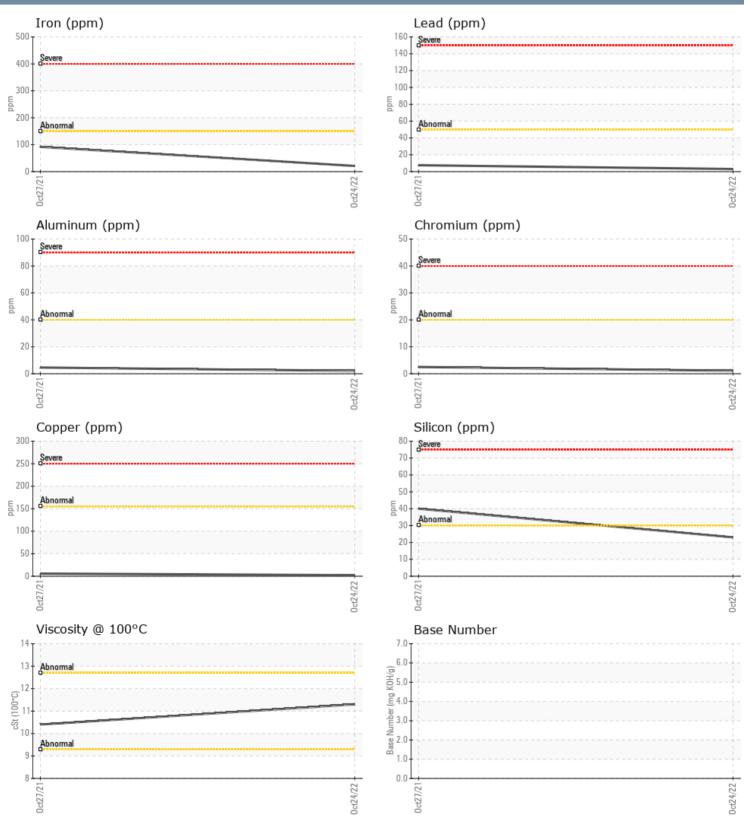
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

VP1080862 Depot: Unique No: 10192093 Signed: Angela Borella **Report Date:** 31 Oct 2022

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: JONATHAN PAIGE - VP1080862