## **OIL ANALYSIS REPORT**

### DAVID KIRK MERCURY 0M975166 - ZEUS - STARBOARD GEARBOX

Sample No: VPA055332

Oil Type: MERCURY 90W

#### SAMPLE INFORMATION Sample Number VPA055332 VPA044091 Sample Date 19 Dec 2023 21 Nov 2022 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed Changed N/A SEVERE SEVERE Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 191 258 CONTAMINATION % 1.84 18.5 Water Silicon ppm 2 3 Sodium 0 🔲 4 ppm Potassium ppm 2 0 WEAR METALS PO 58 37 ▲ 226 **353** Iron ppm Copper 18 16 ppm Lead 3 2 ppm < 1 Tin ■ <1 ppm 1 <1 Aluminum ppm Chromium ppm 3 2 Molybdenum 30 55 ppm 7 Nickel ppm 2 Titanium 0 0 ppm Silver 0 0 ppm 2 4 Manganese ppm Vanadium <1 <1 ppm **ADDITIVES** 149 153 Calcium ppm 3 Magnesium ppm 0 Zinc ppm 42 49 374 Phosphorus ppm 316 0 Barium 0 ppm Boron ppm 8 15



BAY MARINE

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#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VP1174336

 Unique No:
 10796029

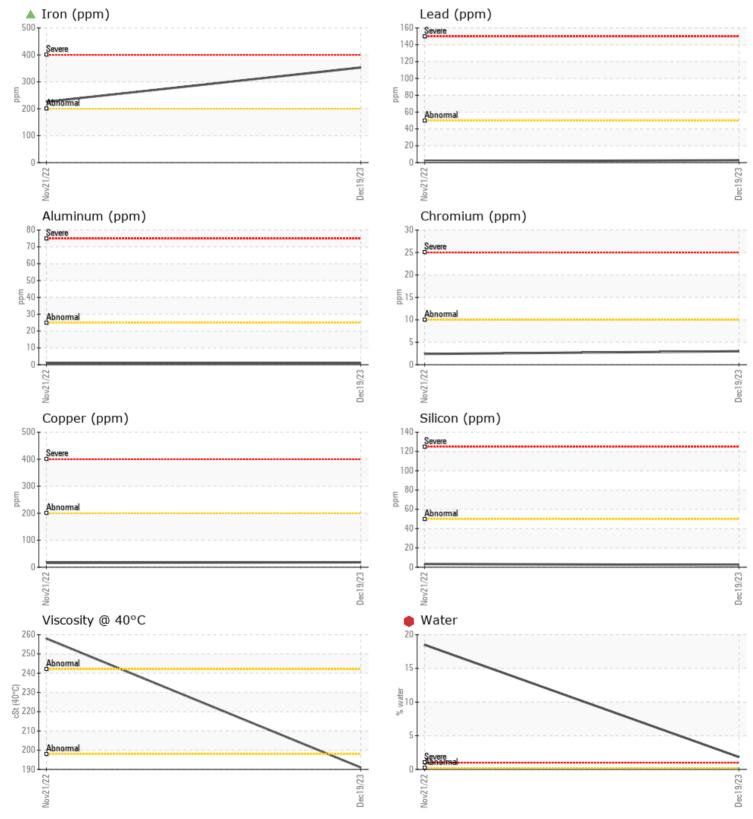
 Signed:
 Jonathan Hester

 Report Date:
 22 Dec 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP1174336 [WUSCAR] 06040800 (Generated: 12/22/2023 12:27:35) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336