## **OIL ANALYSIS REPORT**

### DAVID KIRK MERCURY 0M975150 - ZEUS - PORT GEARBOX

Sample No: VPA055322

Oil Type: MERCURY 90W

#### SAMPLE INFORMATION Sample Number VPA055322 VPA044691 Sample Date 19 Dec 2023 21 Nov 2022 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed Changed N/A SEVERE NORMAL Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 207 150 CONTAMINATION % 6 7.27 Water NEG Silicon <1 ppm 2 Sodium 0 < 1 ppm Potassium ppm 4 □<1 WEAR METALS PO 29 9 193 Iron ppm Copper 26 8 ppm Lead **4** 1 ppm 0 Tin 3 ppm 3 0 Aluminum ppm Chromium 1 ppm 3 Molybdenum 56 27 ppm 2 Nickel ppm 3 Titanium 0 0 ppm Silver 0 0 ppm 2 6 Manganese ppm Vanadium <1 0 ppm **ADDITIVES** Calcium 66 30 ppm Magnesium ppm 0 1 Zinc ppm 22 12 Phosphorus ppm 364 190 Barium 0 0 ppm Boron ppm 10 <1



**BAY MARINE** 

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 E:

#### 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:
 10796030

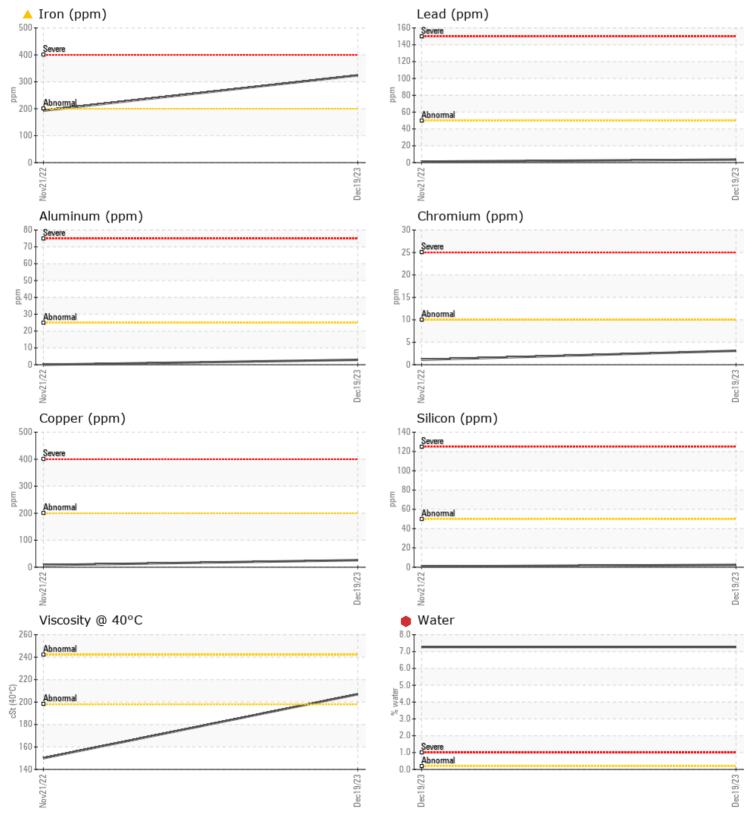
 Signed:
 Jonathan Hester

 Report Date:
 22 Dec 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP1174336 [WUSCAR] 06040801 (Generated: 12/22/2023 12:27:27) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336