OIL ANALYSIS REPORT

GAVIN JOHNSTON PATRICK/50275-9400 ZF 20059266 - INBOARD - STARBOARD GEARBOX

Sample No: VPA059213

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION Sample Number VPA059213 Endor Marine LLC - Coastal Marine - 152124 14 Feb 2024 Sample Date 4300 11th Ave. NW Machine Hours 1095 SEATTLE, WA **Oil Hours** 0 US 98107 Oil Changed Not Changd Contact: WILLOW YANARELLA SEVERE Sample Status service@coastalmarineengine.com T: (206)784-3703 **OIL CONDITION** F: (206)784-8823 Visc @ 40°C cSt 94.0 Diagnosis CONTAMINATION We advise that you check for the % **0.368** Water source of water entry. We Silicon ppm **7** recommend that you drain the oil Sodium 13 ppm from the component if this has not Potassium ppm ■ <1 already been done. We advise that you inspect for the source(s) of wear. WEAR METALS We recommend an early resample to monitor this condition. The copper PO 58 level is severe. Moderate 138 Iron ppm concentration of visible metal Copper 400 present. There is a moderate ppm concentration of water present in the Lead **1**3 ppm oil. The oil is no longer serviceable as Tin 1 ppm a result of the abnormal and/or Aluminum ppm 6 severe wear. Chromium ppm 1 Molybdenum 44 ppm 1 🔲 Nickel ppm Titanium ppm <1 Silver 0 ppm Manganese 1 ppm Vanadium 0 ppm **ADDITIVES** 2714 Calcium ppm Magnesium ppm 98 Zinc ppm 1225 Phosphorus ppm 948 Barium ppm 0 Boron ppm 7



 Depot:
 VP794951

 Unique No:
 10884876

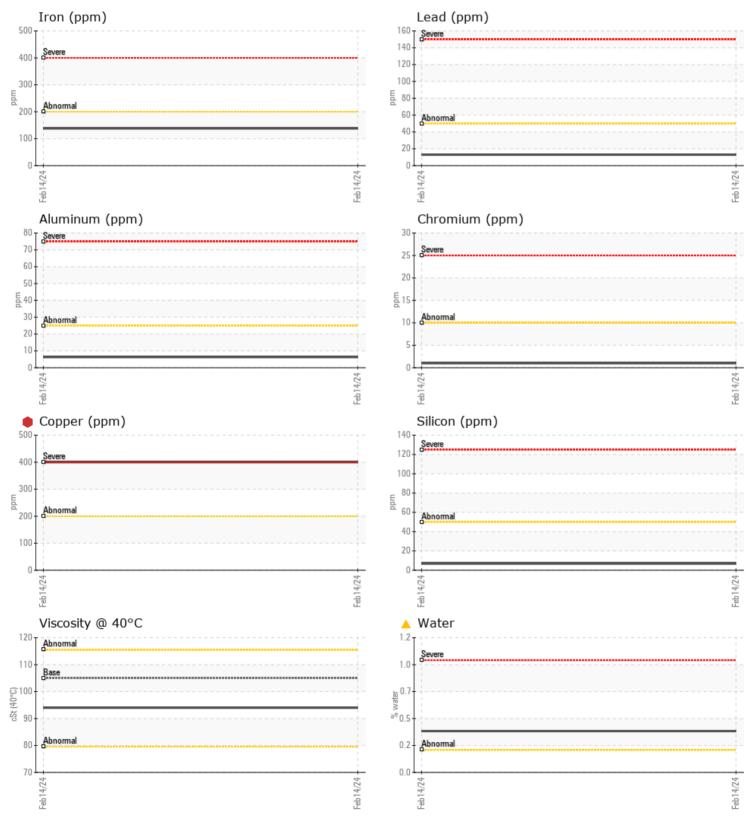
 Signed:
 Sean Felton

 Report Date:
 20 Feb 2024

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GRAPHS



Report Id: VP794951 [WUSCAR] 06092023 (Generated: 02/22/2024 11:46:15) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951