OIL ANALYSIS REPORT

ZF NOT GIVEN VPA051800 - INBOARD - PORT GEARBOX

Sample No: VPA051800

Oil Type: NAPA 30WT

SAMPLE INFORMATION Sample Number VPA051800 Sample Date 14 Sep 2023 Machine Hours 2000 200 **Oil Hours** Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 76.9 CONTAMINATION Silicon ppm 4 Sodium ppm **1** Potassium ■<1 ppm WEAR METALS PO 12 Iron 30 ppm Copper ppm Lead ppm 2 Tin ppm **||** <1 **||** <1 Aluminum ppm Chromium ppm 0 🔲 Molybdenum 2 ppm Nickel 0 🔲 ppm 0 Titanium ppm Silver 0 ppm Manganese <1 ppm Vanadium 0 ppm ADDITIVES Calcium 3030 ppm 22 Magnesium ppm 1263 Zinc ppm Phosphorus ppm 1025 Barium 0 ppm 24 Boron ppm



Edward's Marine and Sons 12741 Sunset Ave OCEAN CITY, MD US 21842 Contact: Edward Bartholme edwardsmarine@comcast.net;canastasio@wearcheckusa.com T:

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP551029

 Unique No:
 10648968

 Signed:
 Sean Felton

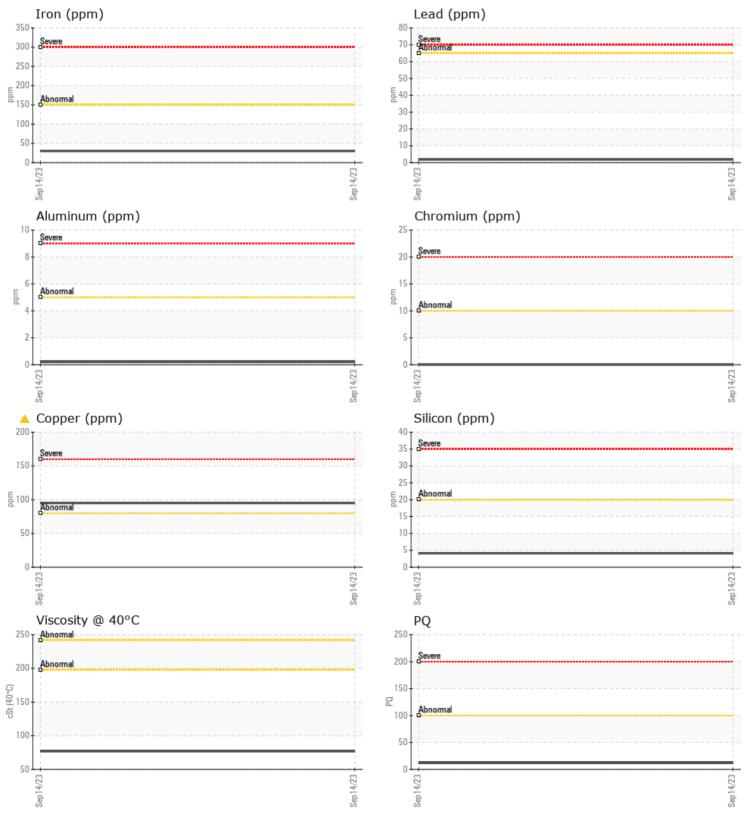
 Report Date:
 19 Sep 2023

Contact/Location: Edward Bartholme - VP551029

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GRAPHS



Report Id: VP551029 [WUSCAR] 05953009 (Generated: 09/21/2023 06:19:46) Rev: 1

Contact/Location: Edward Bartholme - VP551029