## **OIL ANALYSIS REPORT**

### ZF 20288178 - INBOARD - PORT GEARBOX

| Sample No: | VPA020168 |
|------------|-----------|
| Oil Type:  | SAE 30W   |

#### SAMPLE INFORMATION Sample Number VPA020168 Sample Date 14 Jul 2023 Machine Hours 1115 25 **Oil Hours** Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 80.0 CONTAMINATION Silicon ppm 3 Sodium ppm 3 Potassium 1 ppm WEAR METALS PO 14 Iron 4 ppm Copper ppm 19 Lead ppm ■ <1 Tin **||** <1 ppm **1**7 Aluminum ppm Chromium ppm 0 🔲 Molybdenum 81 ppm Nickel 0 🔲 ppm 0 Titanium ppm Silver 0 ppm Manganese ■ <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium **1007** ppm Magnesium 560 ppm Zinc ppm 756 Phosphorus ppm 685 Barium 0 🔲 ppm 207 Boron ppm



CAROLINA MARINE DIESEL

PO BOX 24159 HILTON HEAD, SC US 29925 Contact: KEVIN JACKSON cmdieselsc@gmail.com T: (843)830-9202 F: (843)681-9976

#### Diagnosis

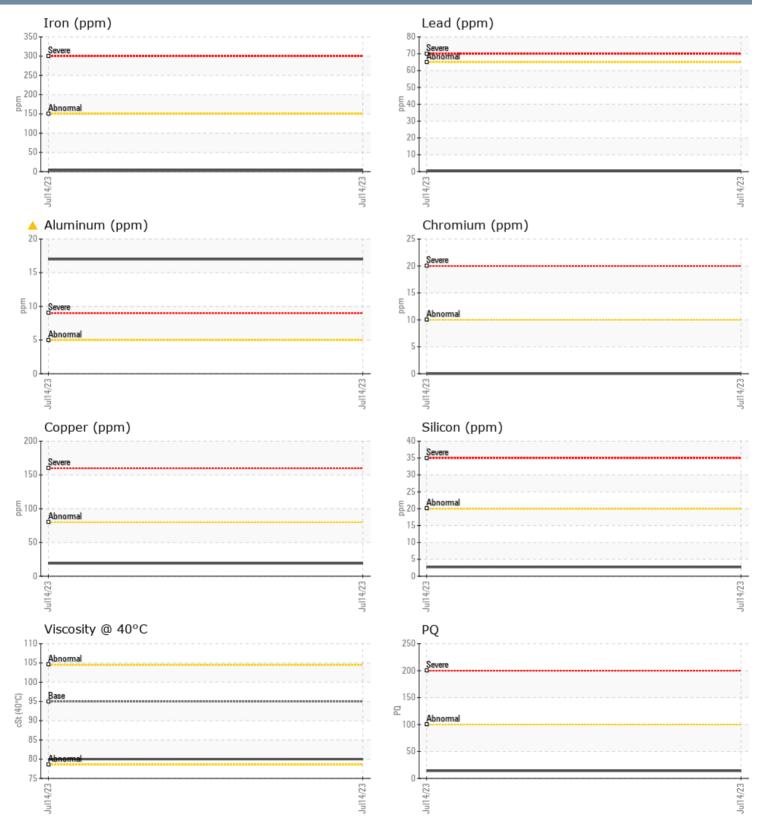
No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

| Depot:       | CARHILSC        |
|--------------|-----------------|
| Unique No:   | 10578703        |
| Signed:      | Jonathan Hester |
| Report Date: | 02 Aug 2023     |

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: CARHILSC [WUSCAR] 05912051 (Generated: 08/03/2023 13:43:10) Rev: 1

Contact/Location: KEVIN JACKSON - CARHILSC