## **OIL ANALYSIS REPORT**

#### 3708/RICOCHET CUMMINS/ONAN C150801092 - CENTER GENSET

Sample No: VPA054448

**Oil Type:** VALVOLINE 15W40

#### SAMPLE INFORMATION VPA054448 Sample Number 21 Feb 2024 Sample Date Machine Hours 1336 **Oil Hours** 0 Oil Changed Not Changd SEVERE Sample Status **OIL CONDITION** F: Visc @ 100°C **7.6** cSt Base Number (BN) mg KOH/g 5.8 Oxidation (PA) % 89 CONTAMINATION Water % NEG % Soot % 0.8 Nitration (PA) % 72 Sulfation (PA) % 63 Glycol % NEG Fuel % **A** 25.2 Silicon 13 ppm Sodium 60 ppm Potassium **133** ppm WEAR METALS Iron **113** ppm 28 Copper ppm ppm Lead **||** < 1 Tin ppm ■ <1 Aluminum ppm 4 Chromium 2 ppm Molybdenum ppm 73 Nickel 1 🔲 ppm Titanium **||** <1 ppm Silver 0 ppm Manganese 2 ppm Vanadium ppm <1 **ADDITIVES** Calcium 976 ppm 856 Magnesium ppm Zinc ppm 1186 Phosphorus ppm 977

#### **GRAND BANKS**

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290

### Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.Cylinder, crank, or cam shaft wear is indicated. Sodium and/or potassium levels are high. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

VP531377 Depot: Unique No: Signed: **Report Date:** 

Contact/Location: ROBERT ANTONA - VP531377

10900452 Jonathan Hester 04 Mar 2024

ppm

ppm

2

8

Barium

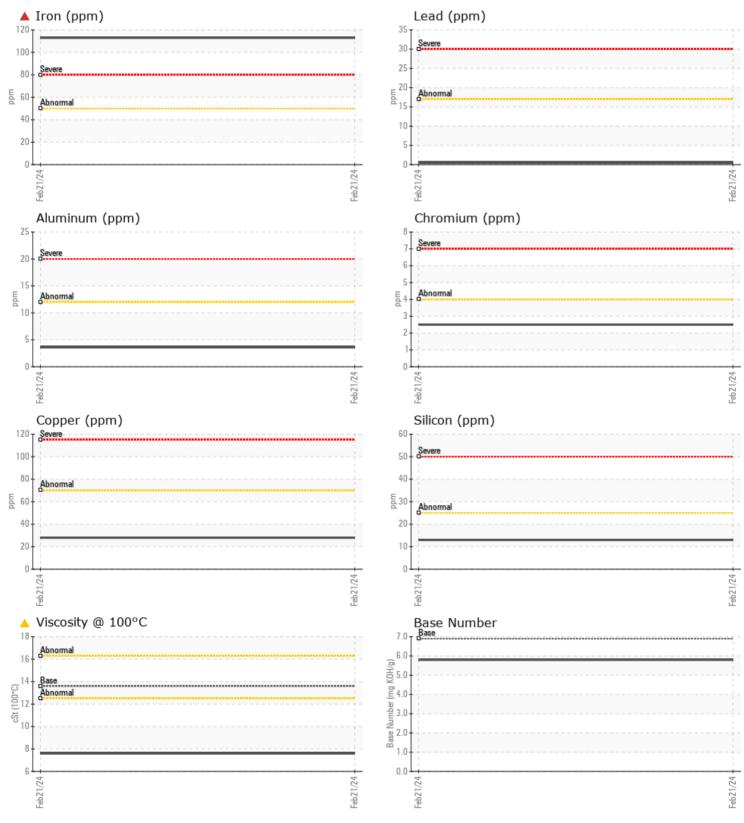
Boron



# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VP531377 [WUSCAR] 06102222 (Generated: 03/04/2024 09:23:52) Rev: 1

Contact/Location: ROBERT ANTONA - VP531377