## **OIL ANALYSIS REPORT**

#### **GLENN KIRK 43327** CUMMINS 73451116 - DIESEL ENGINE

Sample No: VPA036162

**Oil Type:** SHELL 15W40

#### SAMPLE INFORMATION Sample Number VPA036162 02 Feb 2024 Sample Date Machine Hours 1078 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** 14.6 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.4 Oxidation (PA) % 65 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 51 % Sulfation (PA) 55 Glycol % NEG % Fuel <1.0 Silicon 4 ppm Sodium ppm 1 Potassium 4 ppm WEAR METALS Iron 4 ppm 3 Copper ppm Lead 0 🔲 ppm Tin 0 ppm Aluminum 3 ppm Chromium ppm **|** <1 Molybdenum 8 ppm Nickel 0 ppm Titanium ppm **||** <1 Silver ppm 0 Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1973 ppm Magnesium **160** ppm Zinc ppm 1162 1008 Phosphorus ppm Barium 0 ppm Boron ppm **171** Depot: Unique No: Signed:

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Contact/Location: WILLOW YANARELLA - VP794951

**Report Date:** 

VP794951

10873229

Don Baldridge

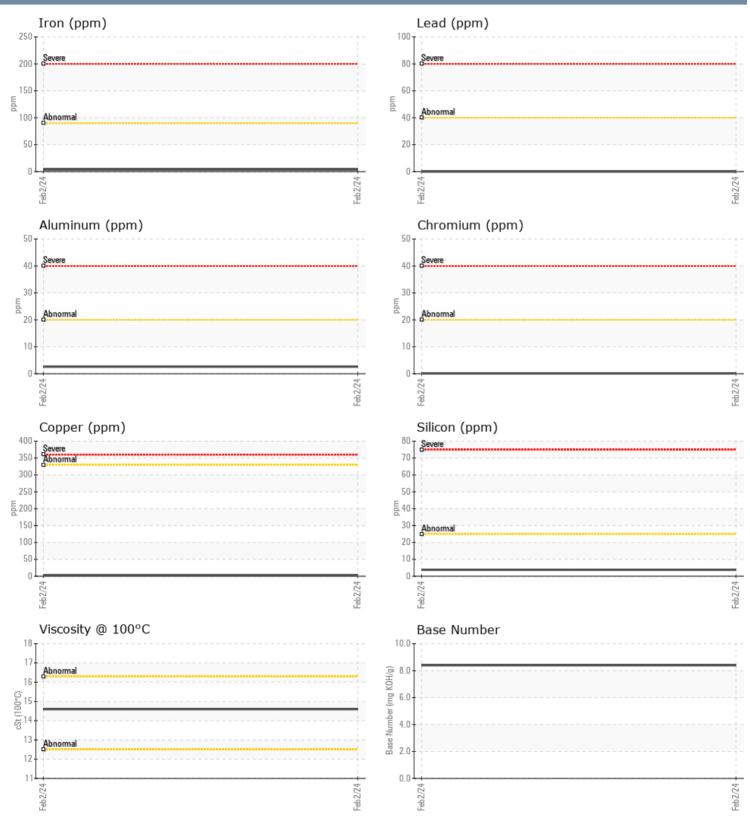
13 Feb 2024



# **OIL ANALYSIS REPORT**



### GRAPHS



Contact/Location: WILLOW YANARELLA - VP794951