OIL ANALYSIS REPORT

OTTERSON 43673 CUMMINS/ONAN E210928990 - GENSET

Sample No: VPA045952

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA045952 Sample Number Sample Date 14 Nov 2023 Machine Hours 98 98 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 12.6 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) % 69 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 67 % Sulfation (PA) 53 Glycol % NEG Fuel % <1.0 Silicon 11 ppm Sodium **4** ppm Potassium 2 ppm WEAR METALS 11 Iron ppm 15 Copper ppm Lead ■ <1 ppm Tin 1 ppm Aluminum ppm 2 Chromium <1 ppm 58 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese 3 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1628 ppm Magnesium 638 ppm Zinc ppm 968 Phosphorus ppm 788 Barium 4 ppm Boron ppm 43



145 LOCKWOOD BLVD CHARLESTON, SC US 29403 Contact: STEVE VASAS steve@ccyachtsales.com T:

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.

 Depot:
 VP568144

 Unique No:
 10764742

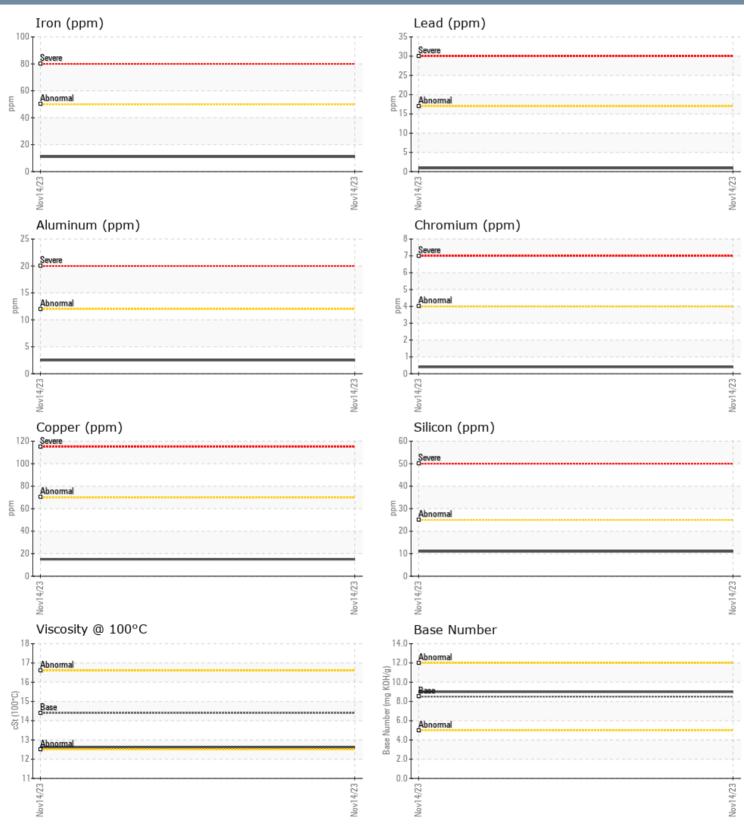
 Signed:
 Don Baldridge

 Report Date:
 01 Dec 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP568144 [WUSCAR] 06020242 (Generated: 12/02/2023 06:34:51) Rev: 1

Contact/Location: STEVE VASAS - VP568144