OIL ANALYSIS REPORT

CUMMINS 46205362 - STARBOARD DIESEL ENGINE

Sample No: VPA055280

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA055280 Sample Number Sample Date 02 Aug 2023 Machine Hours 0 0 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 14.2 Base Number (BN) mg KOH/g 7.1 Oxidation (PA) % 76 CONTAMINATION Soot % % 0.4 % Nitration (PA) 66 Sulfation (PA) % 60 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 1 ppm Potassium ppm **4** WEAR METALS 41 Iron ppm 10 Copper ppm Lead ppm 2 Tin 0 ppm Aluminum ppm 4 Chromium **||** < 1 ppm Molybdenum 5 ppm Nickel 2 ppm Titanium **||** <1 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium <1 ppm **ADDITIVES** Calcium 1895 ppm Magnesium 11 ppm Zinc ppm 996 Phosphorus ppm 815 Barium ppm 0 🔲 Boron ppm 130



Monmouth Marine Engines Inc 536 UNION LN BRIELLE, NJ US 08730-1421 Contact: Laura Clarkin monmouthmarine@gmail.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:
 VP153457

 Unique No:
 10586267

 Signed:
 Don Baldridge

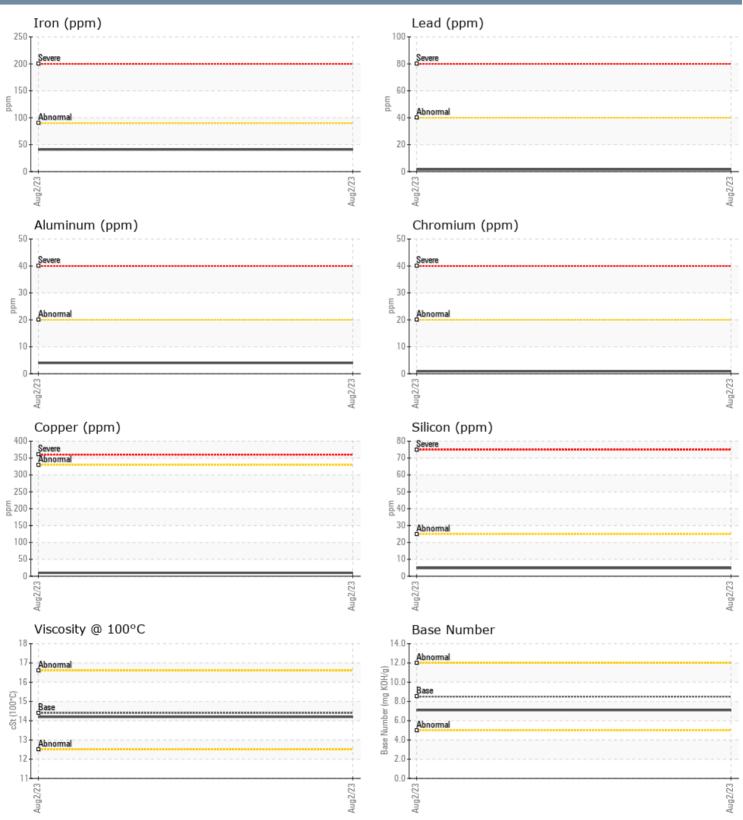
 Report Date:
 04 Aug 2023

Contact/Location: Laura Clarkin - VP153457

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153457 [WUSCAR] 05914353 (Generated: 08/04/2023 11:25:30) Rev: 1

Contact/Location: Laura Clarkin - VP153457