OIL ANALYSIS REPORT

MILLER KOHLER 337XGM0005 - STARBOARD GENSET

Sample No: VPA058089

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA058089 Sample Number Sample Date 05 Dec 2023 Machine Hours 219 **Oil Hours** 0 Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C 14.4 cSt Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 59 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 59 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 13 ppm Sodium 5 ppm Potassium 3 ppm WEAR METALS 14 Iron ppm 6 Copper ppm Lead ■ <1 ppm Tin 0 ppm Aluminum ppm 2 Chromium 1 ppm 29 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 3 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1062 ppm 815 Magnesium ppm Zinc ppm 1196 Phosphorus ppm 971 Barium 0 🔲 ppm Boron ppm 79



Depot: VP154879 Unique No: Signed: **Report Date:**

10789517 Sean Felton 18 Dec 2023

Contact/Location: RICK HEINY - VP154879



Walstrom Marine - 767948

HARBOR SPRINGS, MI

Contact: RICK HEINY

rheiny@walstrom.com

Resample at the next service interval

to monitor.Metal levels are typical for a new component breaking in. 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.

501 Bay Street

US 49740

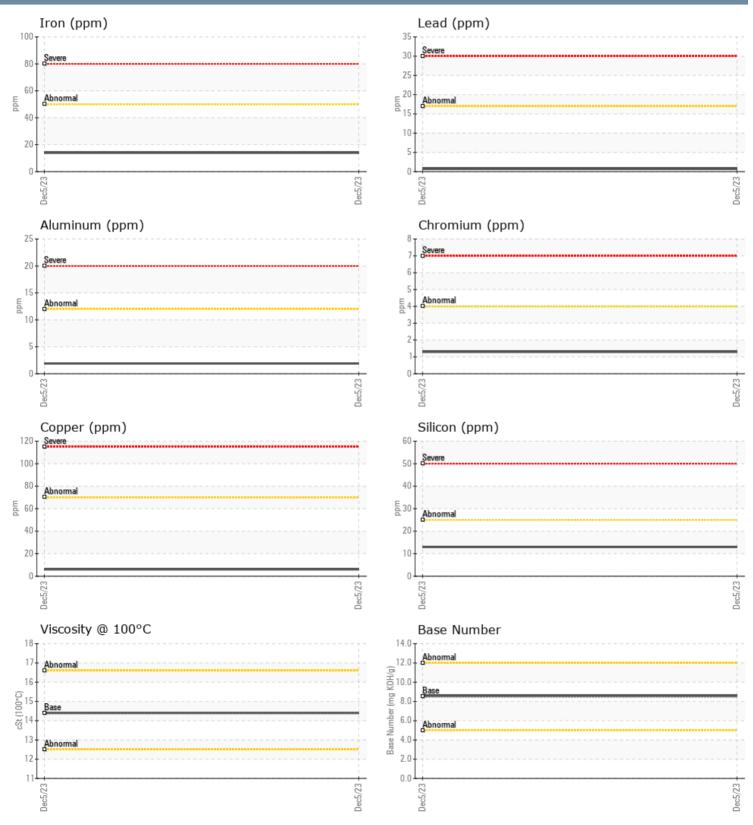
Diagnosis

T: F:

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP154879 [WUSCAR] 06034288 (Generated: 12/18/2023 12:08:52) Rev: 1

Contact/Location: RICK HEINY - VP154879