OIL ANALYSIS REPORT

MIDDLETON 4352 ONAN J190660491 - GENSET

Sample No: VPA060808

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA060808 Sample Number 23 Feb 2024 Sample Date Machine Hours 830 **Oil Hours** 15 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.6 Base Number (BN) mg KOH/g 7.7 Oxidation (PA) % 62 CONTAMINATION % Water NEG % Soot % 0.1 Nitration (PA) % 53 % Sulfation (PA) 54 Glycol % NEG Fuel % <1.0 Silicon 14 ppm Sodium **4** ppm Potassium 9 ppm WEAR METALS Iron 0 ppm 1 Copper ppm Lead 43 ppm Tin 0 ppm Aluminum ppm 2 Chromium 4 ppm 2 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 2147 ppm Magnesium ppm 47 Zinc ppm 1208 Phosphorus ppm 1016 Barium 0 🔲 ppm 208 Boron ppm

 Depot:
 VP426065

 Unique No:
 10898863

 Signed:
 Sean Felton

 Report Date:
 28 Feb 2024

Contact/Location: JASON TOLEDO - VP426065

Contact: JASON TOLEDO

jason@jasmarine.com T: (954)462-1112 F:

Jas Marine Service Inc

FORT LAUDERDALE, FL

3131 SW 2Nd Ave.

US 33315

Diagnosis

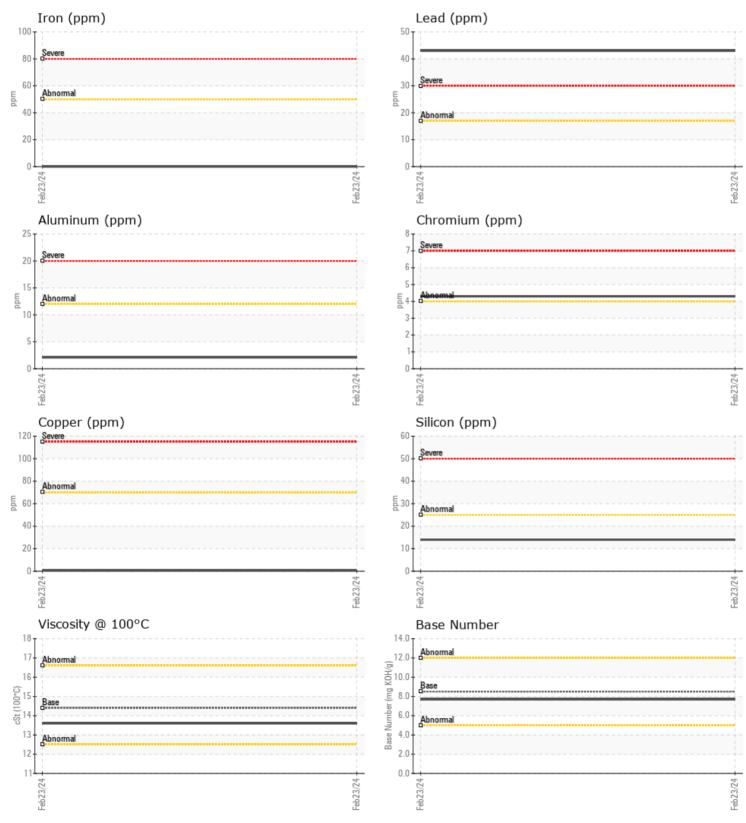
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP426065 [WUSCAR] 06100633 (Generated: 02/28/2024 18:21:41) Rev: 1

Contact/Location: JASON TOLEDO - VP426065