OIL ANALYSIS REPORT

LAWSON 520-69 ONAN E180354822 - GENSET

VPA057297 Sample No:

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA057297 VPA037295 Sample Number Sample Date 29 Nov 2023 01 Nov 2023 Machine Hours 439 0 0 **Oil Hours** 100 Oil Changed N/A N/A NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C 13.5 cSt 13.6 Base Number (BN) mg KOH/g 7.8 8.1 Oxidation (PA) % 65 66 CONTAMINATION Water % NEG NEG % Soot % 0.1 0.1 Nitration (PA) % 60 60 Sulfation (PA) % 56 56 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 13 15 ppm Sodium 2 0 ppm Potassium 6 🔲 10 ppm WEAR METALS 10 Iron 7 ppm 2 2 Copper ppm Lead 0 ppm 0 Tin 0 ppm ■ <1 Aluminum 1 ppm 2 Chromium <1 < 1 ppm Molybdenum 4 ppm 4 Nickel 0 🔲 <1 ppm Titanium ppm **||** <1 0 Silver 0 < 1 ppm Manganese 0 <1 ppm Vanadium 0 ppm <1 **ADDITIVES** 2050 Calcium 2032 ppm 45 Magnesium ppm 21 Zinc ppm 1125 1138 940 Phosphorus ppm 927 Barium 0 🔲 4 ppm Boron ppm 172 213

Depot: Unique No: 10816319 Signed: Sean Felton **Report Date:** 04 Jan 2024

Contact/Location: Ronda Bolinger - VP153685

VP153685

Diagnosis

Outstanding Marine

Contact: Ronda Bolinger

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GALENA, MD

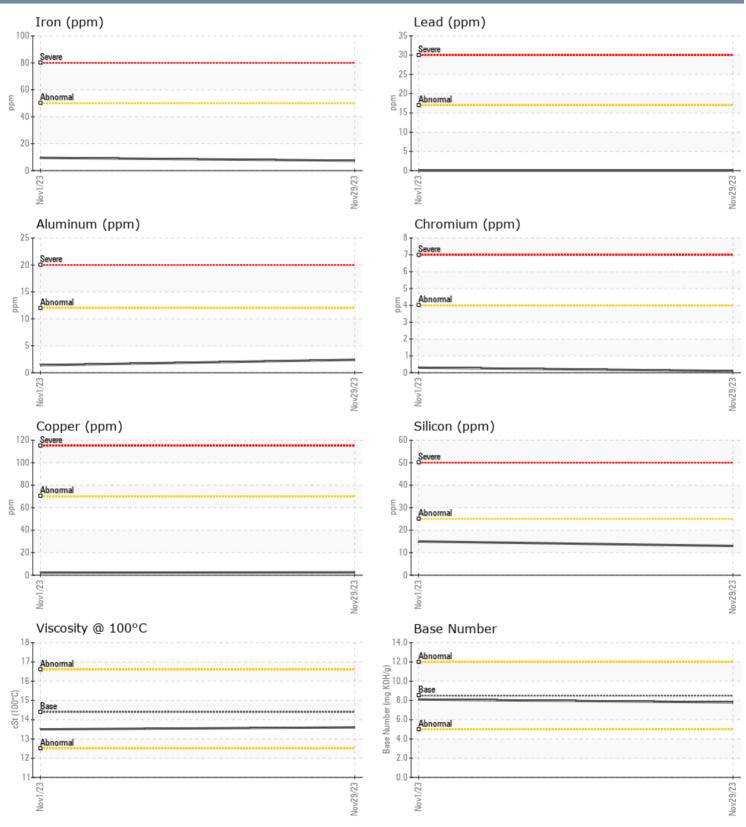
Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153685 [WUSCAR] 06050370 (Generated: 01/04/2024 16:33:53) Rev: 1

Contact/Location: Ronda Bolinger - VP153685