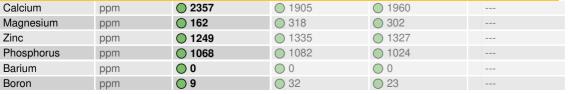


LIEBHERR A924C 056515-1049 - Diesel Engine

Sample No: LH0267723

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Information LH0267723 LH0244923 LH0229927 Sample Number Sample Date 06 May 2024 24 Apr 2023 29 Nov 2022 Machine Hours 13278 11657 10749 **Oil Hours** 0 0 0 Oil Changed Changed Changed Changed Sample Status NORMAL NORMAL NORMAL **Oil Condition** Visc @ 100°C cSt 0 13.5 0 13.5 0 13.9 Base Number (BN) mg KOH/g 07.0 5.8 6.8 Diagnosis Oxidation (PA) % 44 61 64 **Contamination** Water % NEG NEG NEG % 1.2 Soot % 01 0 1.7 Nitration (PA) % 66 77 87 Sulfation (PA) % 50 57 64 Glycol % NEG NEG NEG Fuel % <1.0 <1.0 <1.0 06 06 Silicon 6 ppm Sodium $\bigcirc 2$ ppm 02 \bigcirc 3 Potassium ppm 3 \bigcirc <1 $\bigcirc 2$ 0 ear Metals Iron ppm 6 8 🔘 0 14 Copper 01 $\bigcirc 4$ ppm $\bigcirc 2$ Lead 02 $\bigcirc 0$ $\bigcirc 5$ ppm Tin 2 ppm $\bigcirc 0$ 0 <1 Aluminum 2 $\bigcirc 2$ 02 ppm Chromium ○ <1 $\bigcirc 0$ ○ <1 ppm Molybdenum 0 24 0 87 0 85 ppm Nickel ○ <1 $\bigcirc 0$ ppm $\bigcirc <$ Titanium ○ <1 0 $\bigcirc 0$ ppm Silver $\bigcirc 0$ 0 **○** <1 ppm Manganese 0 <1 0 <1 0 < 1 ppm Vanadium ppm 0 0 0 ٥ **Additives** Calcium ppm 2357 0 1905 0 1960



Depot: INTMORLH Unique No: 11016729 Signed: Wes Davis **Report Date:** 07 May 2024



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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 suitable for further service.

INTEGRITY METALS

835 EAST INDUSTRIAL MORRISTOWN. IN US 46161 Contact: HEIDI KERSTIENS heidi@integrity-metals.com T: (765)763-8000

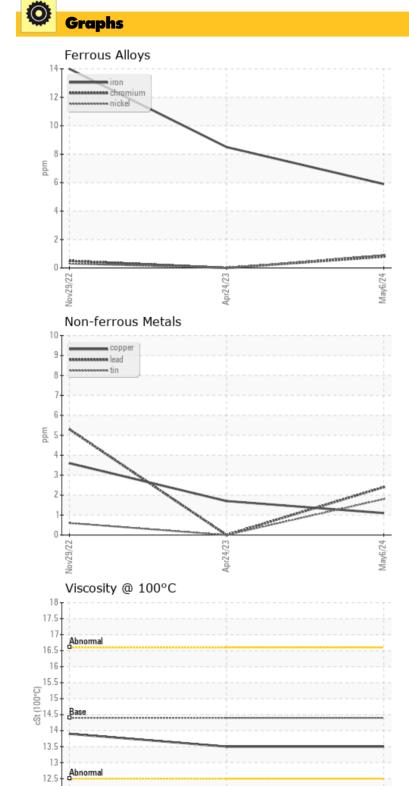
F: (765)763-8001

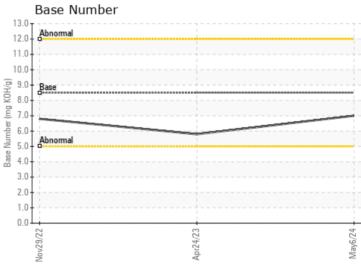


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Report Id: INTMORLH [WUSCAR] 06170676 (Generated: 05/07/2024 18:36:32) Rev: 1

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Contact/Location: HEIDI KERSTIENS - INTMORLH