

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 1484-53615 - Rear Differential

Sample No: LH0268227

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268227	LH0181942	---	---
Sample Date	16 Jan 2024	20 Mar 2023	---	---
Machine Hours	3981	3043	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTER RECYCLINE - DUBUQUE
 PO BOX 390
 WEBSTER, NY
 US 14580
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	● 119	● 128	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 4	● 6	---	---
Sodium	ppm	● 0	● 3	---	---
Potassium	ppm	● 2	● <1	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 66	● 154	---	---
Copper	ppm	● 8	● 22	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 6	● 18	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 3	● 7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

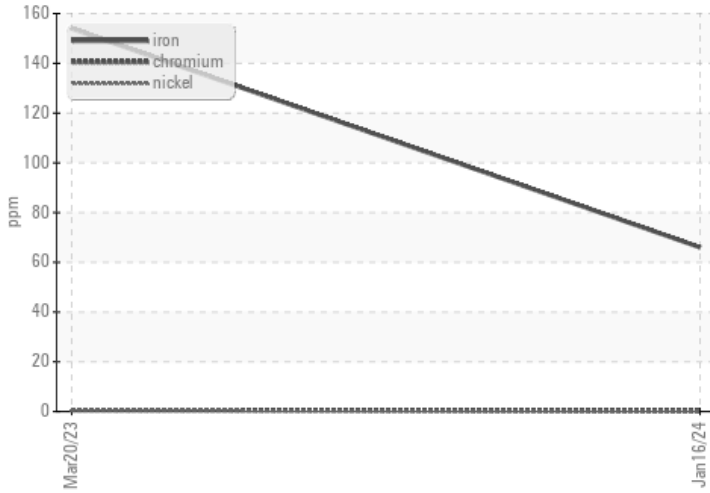
Calcium	ppm	● 75	● 117	---	---
Magnesium	ppm	● 27	● 50	---	---
Zinc	ppm	● 34	● 88	---	---
Phosphorus	ppm	● 794	● 1161	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 16	● 59	---	---

Depot: ALTWEB
 Unique No: 10856299
 Signed: Sean Felton
 Report Date: 31 Jan 2024

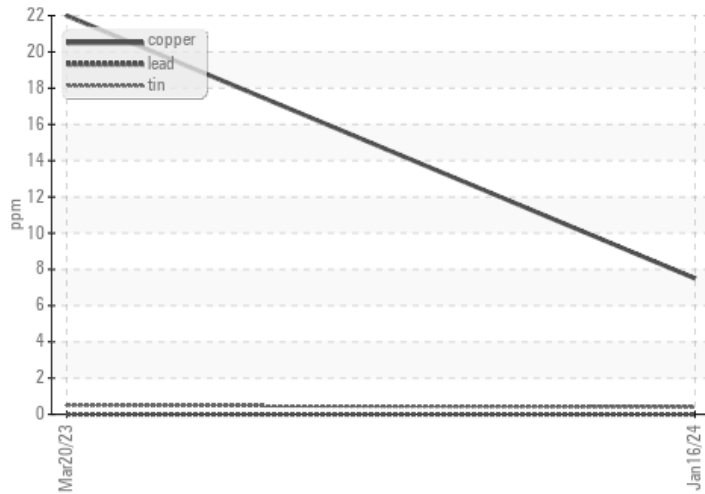


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

