

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A918 110890-1184 - Rear Differential

Sample No: LH0258858

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0258858	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	6322	---	---	---
Oil Hours	6322	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

UNITED SCRAP
 1545 S CICERO AVE
 CHICAGO, IL
 US 60804
 Contact:



Oil Condition

Visc @ 40°C	cSt	● 133	---	---	---
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T:
F:



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---

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	● 14	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

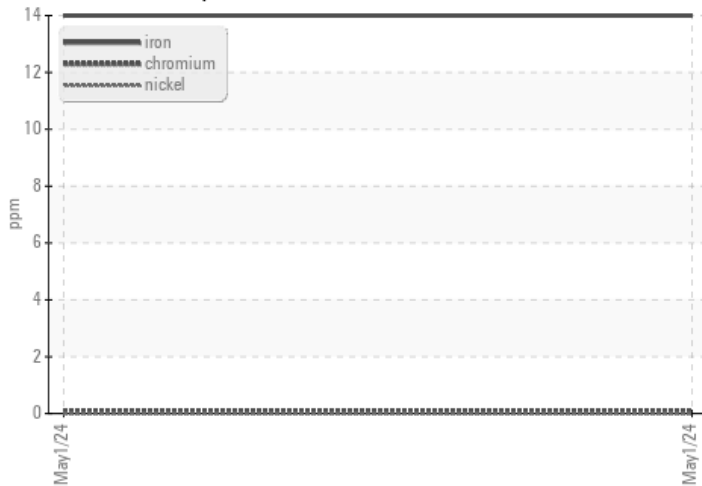
Calcium	ppm	● 303	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 140	---	---	---
Phosphorus	ppm	● 612	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 7	---	---	---

Depot: UNICHILH
 Unique No: 11029289
 Signed: Sean Felton
 Report Date: 15 May 2024

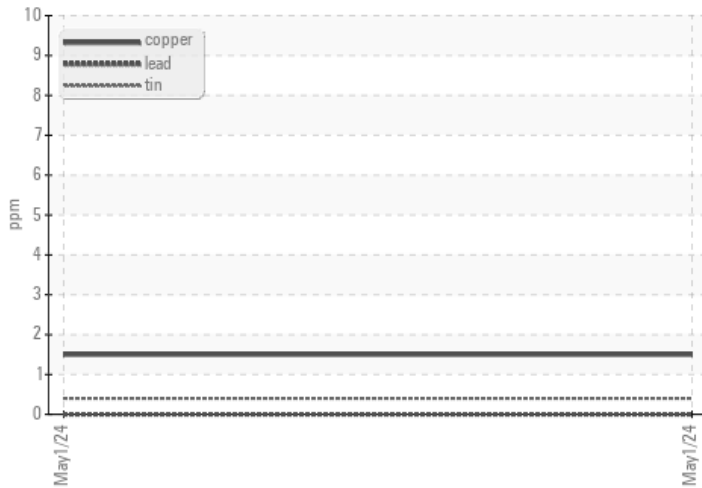


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

