

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 46944 - Rear Differential

Sample No: LH0221060

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0221060	LH0221061	---	---
Sample Date	14 Mar 2024	04 Mar 2024	---	---
Machine Hours	4208	4208	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY
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T:
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Oil Condition

Visc @ 40°C	cSt	212	182	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	31	22	---	---
Sodium	ppm	9	9	---	---
Potassium	ppm	2	0	---	---



Wear Metals

Iron	ppm	658	474	---	---
Copper	ppm	249	162	---	---
Lead	ppm	1	1	---	---
Tin	ppm	13	10	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	6	4	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	4	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	64	62	---	---
Vanadium	ppm	<1	0	---	---



Additives

Calcium	ppm	91	199	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	163	115	---	---
Phosphorus	ppm	2477	2276	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	4	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
Unique No: 11032127
Signed: Jonathan Hester
Report Date: 18 May 2024



Graphs

