

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 069442-1762 - Rear Differential

Sample No: LH0247597

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0247597	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	3500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**HUBERT ET FILS INC**  
 1012 CHEMIN DE PARC INDUSTRIEL  
 BOIS-FRANC, QC  
 CA J9E 3A9  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	● 175	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 17	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● 0	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper and tin ppm levels are severe. Thrust washer and/or bearing/bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### WEAR METALS

Iron	ppm	● 411	---	---	---
Copper	ppm	● 240	---	---	---
Lead	ppm	● 6	---	---	---
Tin	ppm	● 18	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	24	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 4	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 210	---	---	---
Phosphorus	ppm	● 2291	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** HUB101BOI  
**Unique No:** 5710188  
**Signed:** Kevin Marson  
**Report Date:** 17 Jan 2024



### GRAPHS

