

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 069442-1762 - Front Differential

Sample No: LH0247607

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0247607	---	---	---
Sample Date	15 Jan 2024	---	---	---
Machine Hours	3567	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
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	● 174	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 14	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● <1	---	---	---

#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. 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	● 354	---	---	---
Copper	ppm	● 235	---	---	---
Lead	ppm	● 6	---	---	---
Tin	ppm	● 19	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	34	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 21	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 180	---	---	---
Phosphorus	ppm	● 2323	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** HUB101BOI  
**Unique No:** 5710209  
**Signed:** Kevin Marson  
**Report Date:** 16 Jan 2024



### GRAPHS

