

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 074359-1760 - Front Differential

Sample No: LH0281085

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0281085	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	908	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**RICHMOND STEEL RECYCLING**  
 11760 MITCHELL ROAD  
 RICHMOND, BC  
 CA V6V 1V8  
 Contact: Aaron Kaetler  
 AKAetler@richmondsteel.ca  
 T:  
 F: (604)324-8617



#### OIL CONDITION

Visc @ 40°C	cSt	● 194	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 18	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 1	---	---	---



#### WEAR METALS

Iron	ppm	● 173	---	---	---
Copper	ppm	● 67	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 5	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	53	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 7	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	18	---	---	---
Phosphorus	ppm	● 2345	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 3	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** RIC117RIC  
**Unique No:** 5709882  
**Signed:** Kevin Marson  
**Report Date:** 15 Jan 2024



### GRAPHS

