

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 21066 - Rear Axle

Sample No: LH0186881

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0186881	LH0162857	---	---
Sample Date	06 Jul 2023	09 May 2022	---	---
Machine Hours	18165	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**CLOUTHIER VENTURES LTD.**  
 59 MATTHEWS STREET, R.R. # 5  
 PEMBROKE, ON  
 CA K8A 0A6  
 Contact: Travis Bennett  
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#### OIL CONDITION

Visc @ 40°C	cSt	● 121	● 124	---	---
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#### CONTAMINATION

Silicon	ppm	● 6	● 6	---	---
Sodium	ppm	● 6	● 5	---	---
Potassium	ppm	● 5	● 6	---	---



#### WEAR METALS

PQ		---	● 29	---	---
Iron	ppm	● 651	● 708	---	---
Copper	ppm	● 71	● 76	---	---
Lead	ppm	● 3	● 3	---	---
Tin	ppm	● 4	● 5	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● 5	● 6	---	---
Molybdenum	ppm	● 1	● 1	---	---
Nickel	ppm	● 2	● 3	---	---
Titanium	ppm	● 5	● 5	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 14	● 15	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 26	● 27	---	---
Magnesium	ppm	● 19	● 20	---	---
Zinc	ppm	● 46	● 45	---	---
Phosphorus	ppm	● 1937	● 2020	---	---
Barium	ppm	● <1	● 0	---	---
Boron	ppm	● 110	● 110	---	---

#### 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.

Depot: CLOPEM  
 Unique No: 5607265  
 Signed: Wes Davis  
 Report Date: 14 Jul 2023



### GRAPHS

