

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 055862-1334 - Front Right Wheel Hub

Sample No: LH0266002

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0266002	LH0213667	LH	---
Sample Date	07 Aug 2023	23 Apr 2022	03 Oct 2020	---
Machine Hours	8000	5000	2100	---
Oil Hours	0	0	1100	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Bird's Hill Gravel and Stone Ltd.

1 Terracon Place

Winnipeg, MB

CA R2J 4B3

Contact: Joel Malkoske

Jmalkoske@glacialagg.ca

T: (204)663-0064

F:



#### OIL CONDITION

Visc @ 40°C	cSt	175	192	188	---
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#### CONTAMINATION

Silicon	ppm	4	8	11	---
Sodium	ppm	2	2	5	---
Potassium	ppm	<1	0	<1	---



#### WEAR METALS

Iron	ppm	141	201	396	---
Copper	ppm	66	141	120	---
Lead	ppm	1	5	4	---
Tin	ppm	5	6	6	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	3	14	---
Vanadium	ppm	0	0	<1	---



#### ADDITIVES

Calcium	ppm	9	10	5	---
Magnesium	ppm	3	3	2	---
Zinc	ppm	38	30	111	---
Phosphorus	ppm	2308	2475	2418	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	1	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: BIRWIN

Unique No: 5619658

Signed: Wes Davis

Report Date: 08 Aug 2023



### GRAPHS

