

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055862-1334 - Rear Right Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0213671	LH	---
Sample Date	07 Aug 2023	23 Apr 2022	03 Oct 2020	---
Machine Hours	8000	5000	2100	---
Oil Hours	0	1100	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	173	191	187	---
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CONTAMINATION

Water	%	---	0.010	---	---
Silicon	ppm	2	5	13	---
Sodium	ppm	2	2	5	---
Potassium	ppm	<1	0	<1	---



WEAR METALS

Iron	ppm	36	152	308	---
Copper	ppm	32	94	101	---
Lead	ppm	<1	3	3	---
Tin	ppm	2	4	5	---
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	<1	0	<1	---
Manganese	ppm	<1	4	15	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	50	8	4	---
Magnesium	ppm	2	1	2	---
Zinc	ppm	35	37	128	---
Phosphorus	ppm	2284	2448	2421	---
Barium	ppm	0	0	0	---
Boron	ppm	2	<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: 5619663

Signed: Wes Davis

Report Date: 08 Aug 2023



GRAPHS

