

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055862-1334 - Front Left Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0213666	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.

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Winnipeg, MB

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OIL CONDITION

Visc @ 40°C	cSt	175	191	189	---
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CONTAMINATION

Silicon	ppm	4	8	12	---
Sodium	ppm	2	2	5	---
Potassium	ppm	<1	0	<1	---



WEAR METALS

Iron	ppm	138	203	396	---
Copper	ppm	64	143	120	---
Lead	ppm	2	5	4	---
Tin	ppm	5	6	7	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	2	3	14	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	10	11	4	---
Magnesium	ppm	3	2	2	---
Zinc	ppm	39	30	112	---
Phosphorus	ppm	2317	2481	2421	---
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: 5619659

Signed: Wes Davis

Report Date: 08 Aug 2023



GRAPHS

