

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058872-1334 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250117	LH0242713	LH0199513
Sample Date	16 Feb 2024	25 Apr 2023	22 Oct 2022	24 Jun 2022
Machine Hours	7925	6045	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

Bird's Hill Gravel and Stone Ltd.

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OIL CONDITION

Visc @ 40°C	cSt	189	180	174	104



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	5	2	7
Sodium	ppm	1	1	1	4
Potassium	ppm	1	<1	0	<1

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.



WEAR METALS

Iron	ppm	87	84	28	168
Copper	ppm	57	77	36	128
Lead	ppm	2	2	1	4
Tin	ppm	4	5	2	8
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	<1	<1	0	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	2	<1	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	6	6	20
Magnesium	ppm	2	1	<1	1
Zinc	ppm	29	21	22	58
Phosphorus	ppm	2302	2425	2441	2624
Barium	ppm	0	0	0	0
Boron	ppm	3	16	47	172

Depot: BIRWIN

Unique No: 5734622

Signed: Wes Davis

Report Date: 22 Feb 2024



GRAPHS

