

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336345)] LIEBHERR L586 060438-1334 - Rear Differential

Sample No: LH0278555

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0278555	LH0242716	LH	LH0150744
Sample Date	01 Nov 2023	14 Jan 2023	24 Sep 2022	08 Aug 2022
Machine Hours	6957	5019	6018	3993
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

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OIL CONDITION

Visc @ 40°C	cSt	179	186	179	178
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CONTAMINATION

Silicon	ppm	3	3	1	2
Sodium	ppm	2	2	1	2
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	25	33	52	20
Copper	ppm	21	23	47	27
Lead	ppm	<1	<1	1	<1
Tin	ppm	<1	1	1	1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	3	1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	43	8	9	15
Magnesium	ppm	2	<1	1	<1
Zinc	ppm	37	30	20	41
Phosphorus	ppm	2323	2486	2403	2297
Barium	ppm	<1	0	0	0
Boron	ppm	2	<1	2	<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.

Depot: BIRWIN

Unique No: 5671426

Signed: Wes Davis

Report Date: 06 Nov 2023



GRAPHS

