

LIEBHERR

CONSTRUCTION EQUIPMENT



[[20230524]] LIEBHERR L586 059873-1334 - Rear Differenti

Sample No: LH0224797

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0224797	LH0250087	LH0242697	LH0234474
Sample Date	30 Oct 2023	05 Jun 2023	05 Nov 2022	08 Aug 2022
Machine Hours	7081	0	4989	4065
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

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OIL CONDITION

Visc @ 40°C	cSt	177	182	177	179
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CONTAMINATION

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



WEAR METALS

Iron	ppm	17	31	20	27
Copper	ppm	10	32	16	37
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	2	1	2
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	2	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	8	11	19
Magnesium	ppm	0	<1	<1	<1
Zinc	ppm	29	14	21	32
Phosphorus	ppm	2397	2359	2406	2232
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	1	2

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: 5670405

Signed: Wes Davis

Report Date: 01 Nov 2023



GRAPHS

