

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336345)] LIEBHERR L586 060438-1334 - Front Differential

Sample No: LH0288236

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0288236	LH0278553	LH0242715	LH
Sample Date	26 Apr 2024	01 Nov 2023	14 Jan 2023	24 Sep 2022
Machine Hours	7991	6957	5019	6018
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

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#### Oil Condition

Visc @ 40°C	cSt	183	173	186	179



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	28	4	4
Sodium	ppm	2	4	2	2
Potassium	ppm	<1	2	<1	<1



#### Wear Metals

Iron	ppm	179	223	69	104
Copper	ppm	51	68	28	74
Lead	ppm	<1	2	<1	2
Tin	ppm	4	4	2	2
Aluminum	ppm	2	7	<1	1
Chromium	ppm	1	2	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	2	3	3	2
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	27	85	9	19
Magnesium	ppm	8	28	<1	5
Zinc	ppm	21	39	28	17
Phosphorus	ppm	2339	2317	2466	2433
Barium	ppm	0	<1	0	0
Boron	ppm	2	1	3	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: 5773520

Signed: Wes Davis

Report Date: 30 Apr 2024

Submitted By: Vincent Blanchette



### Graphs

