

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[20230524]] LIEBHERR L586 059873-1334 - Splitter Box

Sample No: LH0224799

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0224799	LH0250083	LH0242700	LH0234473
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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 Winnipeg, MB  
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#### OIL CONDITION

Visc @ 40°C	cSt	141	166	160	88.9
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#### CONTAMINATION

Silicon	ppm	2	3	6	5
Sodium	ppm	5	8	4	2
Potassium	ppm	3	3	1	1



#### WEAR METALS

Iron	ppm	36	84	91	92
Copper	ppm	<1	1	1	4
Lead	ppm	1	<1	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	2	1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	2	<1	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	2
Manganese	ppm	<1	7	1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	122	93	79	187
Magnesium	ppm	7	30	9	16
Zinc	ppm	394	96	102	89
Phosphorus	ppm	2055	2141	2247	1327
Barium	ppm	1	6	0	<1
Boron	ppm	6	4	11	216

#### 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: 5670404  
 Signed: Kevin Marson  
 Report Date: 02 Nov 2023



### GRAPHS

