

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 054472-1334 - Splitter Box

Sample No: LH0278562

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0278562	LH	LH0242803	LH0234476
Sample Date	20 Nov 2023	22 Jun 2023	14 Dec 2022	08 Aug 2022
Machine Hours	8016	7000	6005	4995
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

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Contact: Joel Malkoske

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OIL CONDITION

Visc @ 40°C	cSt	176	181	173	125
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	2	2
Sodium	ppm	2	<1	<1	3
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	20	15	24	35
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	0	0	2
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	2	1	2	2
Nickel	ppm	<1	<1	1	2
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	13	21	169
Magnesium	ppm	2	5	2	4
Zinc	ppm	448	230	301	188
Phosphorus	ppm	2053	2206	2299	1847
Barium	ppm	<1	0	0	0
Boron	ppm	6	9	10	29

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: 5683621

Signed: Kevin Marson

Report Date: 24 Nov 2023



GRAPHS

