

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 054472-1334 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0242803	LH0234476	LH0173110
Sample Date	22 Jun 2023	14 Dec 2022	08 Aug 2022	15 Dec 2021
Machine Hours	7000	6005	4995	0
Oil Hours	0	0	0	1000
Oil Changed	N/A	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	181	173	125	103
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CONTAMINATION

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



WEAR METALS

Iron	ppm	15	24	35	27
Copper	ppm	<1	<1	1	2
Lead	ppm	0	0	2	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	2	2	3
Nickel	ppm	<1	1	2	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	21	169	298
Magnesium	ppm	5	2	4	7
Zinc	ppm	230	301	188	199
Phosphorus	ppm	2206	2299	1847	1701
Barium	ppm	0	0	0	0
Boron	ppm	9	10	29	97

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: 5605355

Signed: Wes Davis

Report Date: 06 Jul 2023



GRAPHS

