

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058671-1334 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0278540	LH0278557	LH0266011
Sample Date	08 Mar 2024	01 Dec 2023	01 Nov 2023	04 Jun 2023
Machine Hours	7837	7378	7174	6000
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

1 Terracon Place

Winnipeg, MB

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Contact: Joel Malkoske

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OIL CONDITION

Visc @ 40°C	cSt	176	143	124	130



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	38	1
Sodium	ppm	2	<1	1	2
Potassium	ppm	4	0	0	<1



WEAR METALS

PQ		---	11	7	---
Iron	ppm	162	597	1202	13
Copper	ppm	2	5	2	2
Lead	ppm	<1	1	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	2	6	<1
Chromium	ppm	1	4	9	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	3	3	4	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	38	20	82	132
Magnesium	ppm	17	8	5	4
Zinc	ppm	56	660	137	130
Phosphorus	ppm	2331	1876	658	1966
Barium	ppm	13	0	0	0
Boron	ppm	<1	1	3	3

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: 5746689

Signed: Wes Davis

Report Date: 12 Mar 2024

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GRAPHS

