

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058872-1334 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250116	LH0242712	LH
Sample Date	16 Feb 2024	25 Apr 2023	22 Oct 2022	15 Dec 2021
Machine Hours	7925	6045	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

Bird's Hill Gravel and Stone Ltd.

1 Terracon Place

Winnipeg, MB

CA R2J 4B3

Contact: Joel Malkoske

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OIL CONDITION

Visc @ 40°C	cSt	162	133	135	98.4
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CONTAMINATION

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



WEAR METALS

Iron	ppm	87	39	38	21
Copper	ppm	<1	<1	<1	2
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	<1	1	1	3
Nickel	ppm	6	4	4	5
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	37	17	0	14
Magnesium	ppm	2	1	<1	3
Zinc	ppm	615	293	317	30
Phosphorus	ppm	1935	1074	1251	1412
Barium	ppm	0	0	0	<1
Boron	ppm	23	15	18	255

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Nickel ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: BIRWIN

Unique No: 5734624

Signed: Kevin Marson

Report Date: 23 Feb 2024



GRAPHS

