

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 107906 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR CANADA

10 LYNDS AVENUE

MONCTON, NB

CA E1H 3K2

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Sample Information

Sample Number	LH	LH	LH0250180	LH0250241
Sample Date	17 Jun 2024	12 Apr 2023	09 Jan 2023	09 Jan 2023
Machine Hours	3725	3721	3715	3715
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	161	156	156	156
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	8	8	7
Sodium	ppm	3	6	6	5
Potassium	ppm	<1	0	2	1



Wear Metals

Iron	ppm	8	27	26	21
Copper	ppm	4	7	7	6
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	2	1	2
Nickel	ppm	<1	0	<1	0
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	131	187	193	179
Magnesium	ppm	2	3	3	2
Zinc	ppm	22	39	40	37
Phosphorus	ppm	2179	2275	2191	2194
Barium	ppm	<1	<1	<1	<1
Boron	ppm	5	6	5	6

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: LIEMON

Unique No: 5800542

Signed: Wes Davis

Report Date: 19 Jun 2024



Graphs

