

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 121164-1216 - Rear Right Wheel Hub

Sample No: LH0274288

Oil Type: LIEBHERR GEAR BASIC 90 LS



ACIER CENTURY INC
600 BERGE DU CANAL
LACHINE, QC
CA H8R 1H4
Contact: SERVICE



SAMPLE INFORMATION

Sample Number	LH0274288	LH0235224	LH	LH0177774
Sample Date	02 Oct 2023	08 Nov 2022	04 Oct 2021	06 Oct 2020
Machine Hours	4259	3298	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	175	171	175	166
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T:
F:



CONTAMINATION

Silicon	ppm	2	4	9	14
Sodium	ppm	4	6	12	4
Potassium	ppm	0	0	2	<1

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.



WEAR METALS

Iron	ppm	18	29	56	24
Copper	ppm	8	13	27	37
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	1	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	25	37	179
Magnesium	ppm	0	<1	2	4
Zinc	ppm	10	17	28	53
Phosphorus	ppm	2276	2419	2401	2123
Barium	ppm	<1	0	<1	2
Boron	ppm	2	2	4	6

Depot: ACILAC
Unique No: 5658437
Signed: Wes Davis
Report Date: 16 Oct 2023



GRAPHS

