

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 121164-1216 - Front Left Wheel Hub

Sample No: LH0274287

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	LH0274287	LH0235216	LH	---
Sample Date	02 Oct 2023	08 Nov 2022	04 Oct 2021	---
Machine Hours	4259	3298	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	163	144	115	---
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T:
F:



CONTAMINATION

Silicon	ppm	6	9	9	---
Sodium	ppm	9	8	9	---
Potassium	ppm	0	1	2	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	55	60	57	---
Copper	ppm	6	9	15	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	34	55	116	---
Magnesium	ppm	1	2	6	---
Zinc	ppm	28	12	52	---
Phosphorus	ppm	2154	2121	1690	---
Barium	ppm	<1	0	0	---
Boron	ppm	18	37	146	---

Depot: ACILAC
Unique No: 5658436
Signed: Wes Davis
Report Date: 16 Oct 2023



GRAPHS

