

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 121164-1216 - Splitter Box

Sample No: LH0274282

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0274282	LH0235217	LH	LH0177776
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

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



#### OIL CONDITION

Visc @ 40°C	cSt	156	158	174	194
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T:  
F:



#### CONTAMINATION

Silicon	ppm	<1	1	2	<1
Sodium	ppm	2	3	5	4
Potassium	ppm	0	<1	1	<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	9	13	22	16
Copper	ppm	2	2	6	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	<1	1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	99	95	64	11
Magnesium	ppm	<1	1	2	2
Zinc	ppm	80	82	68	41
Phosphorus	ppm	2096	2171	2086	1573
Barium	ppm	<1	0	<1	1
Boron	ppm	4	7	11	2

Depot: ACILAC  
Unique No: 5658432  
Signed: Wes Davis  
Report Date: 16 Oct 2023



### GRAPHS

