

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH22M 112532-1250 - Front Left Wheel Hub

Sample No: LH0153184

Oil Type: LIEBHERR GEAR BASIC 90 LS



**CENTREM**  
1125 DES PINS O.  
ALMA, QC  
CA G8B 7V7  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	<b>LH0153184</b>	LH0234208	LH0222100	LH0199492
Sample Date	<b>05 Jul 2023</b>	23 Sep 2022	03 May 2022	10 Oct 2021
Machine Hours	<b>7001</b>	5700	5131	4000
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>188</b>	182	174	156
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#### CONTAMINATION

Silicon	ppm	<b>3</b>	3	11	2
Sodium	ppm	<b>6</b>	12	6	6
Potassium	ppm	<b>&lt;1</b>	<1	0	<1



#### WEAR METALS

Iron	ppm	<b>58</b>	71	151	49
Copper	ppm	<b>4</b>	5	5	6
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	1	<1
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>1</b>	2	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>28</b>	71	143	157
Magnesium	ppm	<b>2</b>	2	2	2
Zinc	ppm	<b>11</b>	17	22	32
Phosphorus	ppm	<b>2392</b>	2434	2385	2145
Barium	ppm	<b>&lt;1</b>	<1	2	<1
Boron	ppm	<b>4</b>	12	26	70

T:  
F:

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

**Depot:** CENALM  
**Unique No:** 5605903  
**Signed:** Wes Davis  
**Report Date:** 10 Jul 2023



### GRAPHS

