

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Front Left Wheel Hub

Sample No: LH0241900

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**  
 474 ROUTE 105  
 BOIS-FRANC, QC  
 CA J9E 3A9  
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#### SAMPLE INFORMATION

Sample Number	<b>LH0241900</b>	LH0241888	LH0241876	LH0239957
Sample Date	<b>01 Mar 2024</b>	05 Jan 2024	31 Oct 2023	04 Sep 2023
Machine Hours	<b>3900</b>	3235	2739	2265
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>129</b>	188	182	182
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#### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	4	1	1
Sodium	ppm	<b>2</b>	3	4	5
Potassium	ppm	<b>&lt;1</b>	<1	1	0



#### WEAR METALS

Iron	ppm	<b>25</b>	48	26	20
Copper	ppm	<b>1</b>	1	1	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>27</b>	48	67	114
Magnesium	ppm	<b>&lt;1</b>	<1	<1	<1
Zinc	ppm	<b>13</b>	12	16	36
Phosphorus	ppm	<b>1486</b>	2270	2277	2262
Barium	ppm	<b>&lt;1</b>	0	0	<1
Boron	ppm	<b>1</b>	2	2	5

#### 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.

**Depot:** HUBBOI  
**Unique No:** 5750485  
**Signed:** Wes Davis  
**Report Date:** 28 Mar 2024



### GRAPHS

