

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 120559-1216 - Front Left Wheel Hub

Sample No: LH0261234

Oil Type: GEAR OIL SAE 80W90



**BOIS GRANVAL G D S INC**  
 10 RUE INDUSTRIELLE  
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#### SAMPLE INFORMATION

Sample Number	<b>LH0261234</b>	LH0239006	LH	LH0194178
Sample Date	<b>09 Jul 2023</b>	11 Oct 2022	13 Sep 2021	12 Aug 2021
Machine Hours	<b>10181</b>	9355	0	6584
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>176</b>	188	147	171
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#### CONTAMINATION

Silicon	ppm	<b>11</b>	28	7	19
Sodium	ppm	<b>12</b>	19	17	12
Potassium	ppm	<b>1</b>	1	6	4



#### WEAR METALS

Iron	ppm	<b>98</b>	129	487	136
Copper	ppm	<b>7</b>	10	13	18
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	5	2	3
Chromium	ppm	<b>&lt;1</b>	<1	2	<1
Molybdenum	ppm	<b>0</b>	0	<1	1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	3	8	4
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>17</b>	28	34	84
Magnesium	ppm	<b>2</b>	2	3	2
Zinc	ppm	<b>23</b>	20	24	33
Phosphorus	ppm	<b>2223</b>	2395	2165	2344
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>3</b>	5	17	2

#### 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. La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

**Depot:** BOIGRA  
**Unique No:** 5619633  
**Signed:** Wes Davis  
**Report Date:** 08 Aug 2023



### GRAPHS

