

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0241888

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	LH0241888	LH0241876	LH0239957	LH0241864
Sample Date	05 Jan 2024	31 Oct 2023	04 Sep 2023	18 Apr 2023
Machine Hours	3235	2739	2265	1142
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	---	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	188	182	182	138



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	1	1	4
Sodium	ppm	3	4	5	10
Potassium	ppm	<1	1	0	<1



#### WEAR METALS

Iron	ppm	48	26	20	23
Copper	ppm	1	1	3	12
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	48	67	114	722
Magnesium	ppm	<1	<1	<1	2
Zinc	ppm	12	16	36	352
Phosphorus	ppm	2270	2277	2262	2142
Barium	ppm	0	0	<1	0
Boron	ppm	2	2	5	20

#### 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.

Depot: HUBBOI  
Unique No: 5710212  
Signed: Kevin Marson  
Report Date: 16 Jan 2024



### GRAPHS

