

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341435)] LIEBHERR LH50M 128733-1216 - Front Right Wheel

Sample No: LH0289404

Oil Type: GEAR OIL SAE 80W90



#### Information sur l'échantillon

Número d'échant.	LH0289404	LH0286554	LH0277778	LH0256939
Date d'échant.	17 Jun 2024	19 Mar 2024	20 Nov 2023	11 Jun 2023
Heures de la Machine	10161	9241	8180	14253
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

**COMBINED METAL INDUSTRIES**  
454 DOBBIE DRIVE  
CAMBRIDGE, ON  
CA N1T 1S7  
Contact: Service Manager



#### État d'huile

Visc 40°C	cSt	91.4	106	105	94.3
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T:  
F:



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	2	<1	2	2
Sodium	ppm	4	<1	1	3
Potassium	ppm	<1	0	0	<1

#### Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. A sharp increase in the copper level is noted. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### Métaux d'usure

Fer	ppm	46	<1	6	25
Cuivre	ppm	82	2	5	42
Plomb	ppm	2	0	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	2	0	<1	<1
Chrome	ppm	0	0	0	0
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	<1	0
Manganèse	ppm	3	0	0	2
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	25	6	9	24
Magnésium	ppm	2	2	1	2
Zinc	ppm	76	8	11	46
Phosphore	ppm	1246	1236	1262	1377
Baryum	ppm	0	0	<1	0
Bore	ppm	291	308	315	295

Depot: COM454CAM  
Unique No: 5800189  
Signed: Kevin Marson  
Report Date: 19 Jun 2024



### Graphs

