

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40C 117763-1527 - Swing Drive

Sample No: LH0270261

Oil Type: GEAR OIL SAE 80W90



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270261	LH0247011	LH0227586	LH
Date d'échant.	25 Sep 2023	16 Dec 2022	09 Mar 2022	09 Jul 2021
Heures de la Machine	5976	5012	3939	2893
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

**MOFFATT SCRAP IRON & METAL INC.**  
 9620 GUELPH LINE  
 CAMPBELLVILLE, ON  
 CA L0P 1B0  
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#### ÉTAT D'HUILE

Visc 40°C	cSt	102	104	101	99.7
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#### CONTAMINATION

Eau	%	0.327	---	---	---
Silicium	ppm	6	4	1	2
Sodium	ppm	1	<1	<1	0
Potassium	ppm	0	<1	<1	<1



#### MÉTAUX D'USURE

PQ		0	---	---	---
Fer	ppm	1297	277	260	288
Cuivre	ppm	195	23	32	30
Plomb	ppm	7	<1	<1	<1
Étain	ppm	1	<1	<1	<1
Aluminium	ppm	<1	0	0	0
Chrome	ppm	7	3	3	3
Molybdène	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	10	2	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	11	18	8	12
Magnésium	ppm	2	2	2	2
Zinc	ppm	19	13	11	10
Phosphore	ppm	1240	1332	1304	1345
Baryum	ppm	1	0	0	<1
Bore	ppm	141	313	301	320

#### Diagnostic

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper, iron and lead ppm levels are abnormal. A sharp increase in the copper level is noted. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present 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.

Depot: MOFMOF  
 Unique No: 5646356  
 Signed: Kevin Marson  
 Report Date: 27 Sep 2023



### GRAPHS

