

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 141098-1217 - Swing Drive

Sample No: LH0278687

Oil Type: GEAR OIL SAE 80W90



**JOHN ZUBICK LTD.**  
105 CLARKE ROAD  
LONDON, ON  
CA N5W 5C9  
Contact: John French  
honeil@zubicks.com  
T: (519)451-5470  
F: (519)451-4245



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278687	LH0251569	LH0234952	---
Date d'échant.	22 Feb 2024	24 Feb 2023	14 Nov 2022	---
Heures de la Machine	2811	934	467	---
Heures de l'huile	0	0	0	---
Huile changée	N/A	Changed	Changed	---
Statut de l'échant.	NORMAL	NORMAL	NORMAL	---



#### ÉTAT D'HUILE

Visc 40°C	cSt	100	108	169	---
-----------	-----	-----	-----	-----	-----



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	---
Silicium	ppm	2	<1	<1	---
Sodium	ppm	<1	<1	5	---
Potassium	ppm	<1	<1	2	---



#### MÉTAUX D'USURE

Fer	ppm	285	41	118	---
Cuivre	ppm	56	26	25	---
Plomb	ppm	1	<1	1	---
Étain	ppm	<1	<1	<1	---
Aluminium	ppm	<1	<1	0	---
Chrome	ppm	3	<1	<1	---
Molybdène	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titane	ppm	0	0	0	---
Argent	ppm	0	0	0	---
Manganèse	ppm	2	<1	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIFS

Calcium	ppm	8	8	14	---
Magnésium	ppm	1	<1	<1	---
Zinc	ppm	11	10	11	---
Phosphore	ppm	1248	1372	2359	---
Baryum	ppm	<1	<1	3	---
Bore	ppm	289	252	3	---

#### Diagnostic

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: JOHLON  
Unique No: 5734842  
Signed: Wes Davis  
Report Date: 23 Feb 2024



### GRAPHS

