

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 113527-1216 - Swing Drive

Sample No: LH0290619

Oil Type: GEAR OIL LS 80W90



**LIEBHERR CANADA LTEE**  
 444 AVENUE DE LA FRICHE  
 DOLBEAU-MISTASSINI, QC  
 CA G8L 3M7  
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#### Sample Information

Sample Number	LH0290619	LH	---	---
Sample Date	13 Jun 2024	13 Mar 2023	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	238	● 178	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 1	● <1	---	---
Sodium	ppm	● 2	● 2	---	---
Potassium	ppm	● 0	● 0	---	---



#### Wear Metals

Iron	ppm	● 863	● 36	---	---
Copper	ppm	● 69	● 32	---	---
Lead	ppm	● 2	● <1	---	---
Tin	ppm	● 3	● 2	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 8	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 6	● <1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	13	12	---	---
Magnesium	ppm	● 3	● 2	---	---
Zinc	ppm	● 27	10	---	---
Phosphorus	ppm	● 2265	2617	---	---
Barium	ppm	● <1	● 0	---	---
Boron	ppm	2	● 2	---	---

#### 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: LBADOL  
 Unique No: 5799613  
 Signed: Wes Davis  
 Report Date: 14 Jun 2024



### Graphs

