

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1216-120131 - Swing Drive

Sample No: LHMC99397  
 Oil Type: LIEBHERR 80W90



#### SAMPLE INFORMATION

Sample Number	LHMC99397	LH0206754	---	---
Sample Date	30 Jun 2023	11 Jun 2022	---	---
Machine Hours	2616	1000	---	---
Oil Hours	966	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**ELG METALS**  
 369 RIVER RD  
 MC KEESPORT, PA  
 US 15132  
 Contact:



#### OIL CONDITION

Visc @ 40°C	cSt	● 141	● 148	---	---
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T:  
 F:



#### CONTAMINATION

Silicon	ppm	● 0	● 22	---	---
Sodium	ppm	● <1	● 0	---	---
Potassium	ppm	● 0	● 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.



#### WEAR METALS

Iron	ppm	● 307	● 707	---	---
Copper	ppm	● 44	● 68	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 1	● 1	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● 2	● 7	---	---
Molybdenum	ppm	<1	● <1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	● 4	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	64	● 14	---	---
Magnesium	ppm	0	● 0	---	---
Zinc	ppm	48	● 10	---	---
Phosphorus	ppm	749	● 939	---	---
Barium	ppm	0	● 0	---	---
Boron	ppm	2	● 3	---	---

Depot: ELGMCK  
 Unique No: 10552813  
 Signed: Don Baldrige  
 Report Date: 14 Jul 2023



### GRAPHS

