

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR BAT450.1110778 - Center Final Drive

Sample No: LHMC161365

Oil Type: LIEBHERR SYNTOGEAR PLUS 220



#### SAMPLE INFORMATION

Sample Number	LHMC161365	---	---	---
Sample Date	20 Aug 2022	---	---	---
Machine Hours	1751	---	---	---
Oil Hours	8	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR CRANE INC**  
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 US 77028  
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#### OIL CONDITION

Visc @ 40°C	cSt	● 216	---	---	---
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#### CONTAMINATION

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

#### 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	● 16	---	---	---
Copper	ppm	● 0	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● <1	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 1	---	---	---
Phosphorus	ppm	● 489	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 29	---	---	---

Depot: LIEHOU  
 Unique No: 10150619  
 Signed: Jonathan Hester  
 Report Date: 28 Sep 2022



### GRAPHS

