

# LIEBHERR

## CONSTRUCTION EQUIPMENT



[(366421)] 054066-1783 - Swing Drive

Sample No: LH0223160

Oil Type: NOT GIVEN



### SAMPLE INFORMATION

Sample Number	LH0223160	LH0223153	---	---
Sample Date	07 Mar 2023	09 Sep 2022	---	---
Machine Hours	2139	1029	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**American Iron and Metal**  
 9100 BOUL HENRI-BOURASSA EST  
 MONTREAL, QC  
 CA H1E 2S4  
 Contact: Sebastien Liautaud  
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 T: (514)494-2000  
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### OIL CONDITION

Visc @ 40°C	cSt	137	183	---	---
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### CONTAMINATION

Water	%	0.007	---	---	---
Silicon	ppm	<1	8	---	---
Sodium	ppm	0	10	---	---
Potassium	ppm	0	2	---	---



### WEAR METALS

Iron	ppm	16	336	---	---
Copper	ppm	2	150	---	---
Lead	ppm	0	4	---	---
Tin	ppm	<1	15	---	---
Aluminum	ppm	<1	3	---	---
Chromium	ppm	0	2	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	0	53	---	---
Magnesium	ppm	<1	1	---	---
Zinc	ppm	3	47	---	---
Phosphorus	ppm	293	2176	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	9	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AMEMON  
 Unique No: 5542791  
 Signed: Wes Davis  
 Report Date: 20 Mar 2023



### GRAPHS

