

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 053987-1650 - Swing Drive

Sample No: LH0274272

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0274272	LH0227223	---	---
Sample Date	02 Oct 2023	19 Sep 2022	---	---
Machine Hours	2037	540	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**Delsan - American Iron and Metal**  
 2187 Montee Masson  
 Laval, QC  
 CA H7B 0A6  
 Contact: MANNY MARQUES  
 mmarques@delsan-aim.com  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 180	● 193	---	---
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#### CONTAMINATION

Silicon	ppm	● <1	● 1	---	---
Sodium	ppm	● 2	● 4	---	---
Potassium	ppm	● <1	● <1	---	---



#### WEAR METALS

Iron	ppm	● 176	● 345	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● 2	● 6	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	8	25	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	9	11	---	---
Phosphorus	ppm	2294	1519	---	---
Barium	ppm	<1	9	---	---
Boron	ppm	1	3	---	---

#### 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:** DEL782MON  
**Unique No:** 5657761  
**Signed:** Wes Davis  
**Report Date:** 12 Oct 2023



### GRAPHS

