

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 10072 - Swing Drive

Sample No: LH0270527

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH0270527	---	---	---
Sample Date	22 Feb 2024	---	---	---
Machine Hours	8976	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Joseph Rodgers  
 joseph.rodgers@liebherr.com  
 T:  
 F: (905)319-6622



#### OIL CONDITION

Visc @ 40°C	cSt	● 86.2	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 18	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



#### WEAR METALS

PQ		● 105	---	---	---
Iron	ppm	● 756	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	2939	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	1164	---	---	---
Phosphorus	ppm	1000	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	32	---	---	---

#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS  
 Unique No: 5734851  
 Signed: Kevin Marson  
 Report Date: 26 Feb 2024



### GRAPHS

