

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 8130.1185341 - Main Winch

Sample No: LH0272558

Oil Type: LIEBHERR



#### SAMPLE INFORMATION

Sample Number	LH0272558	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	464	---	---	---
Oil Hours	464	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**OBYASHI**  
 5308 SMOTHERS RD  
 WESTERVILLE, OH  
 US 43081  
 Contact: DEREK BRYSON  
 derek.bryson@obayashi-usa.com  
 T: (650)541-6680  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 227	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● <1	---	---	---

**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	● 26	---	---	---
Copper	ppm	● <1	---	---	---
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	● 0	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

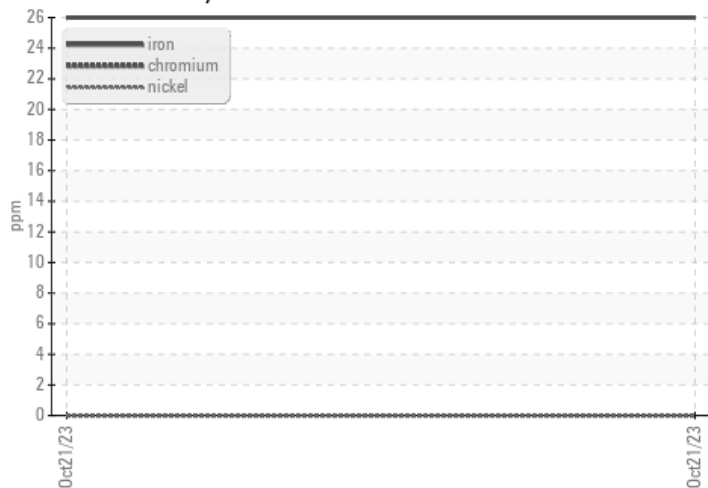
Calcium	ppm	● 22	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 21	---	---	---
Phosphorus	ppm	● 327	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 13	---	---	---

**Depot:** OBAWES  
**Unique No:** 10725899  
**Signed:** Don Baldrige  
**Report Date:** 05 Nov 2023

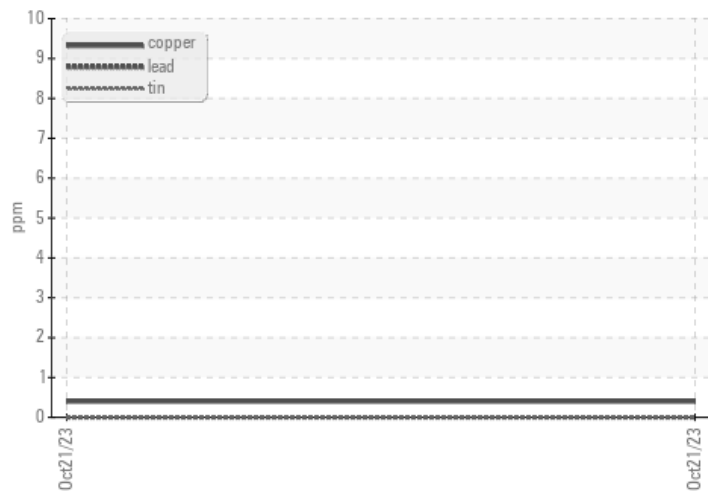


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

