

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 8130.1185341 - Diesel Engine

Sample No: LH0272552

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



#### SAMPLE INFORMATION

Sample Number	LH0272552	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	464	---	---	---
Oil Hours	464	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### OBUYASHI

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



#### OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	6.9	---	---	---
Oxidation (PA)	%	195	---	---	---

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



#### CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	108	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	29	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	41	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

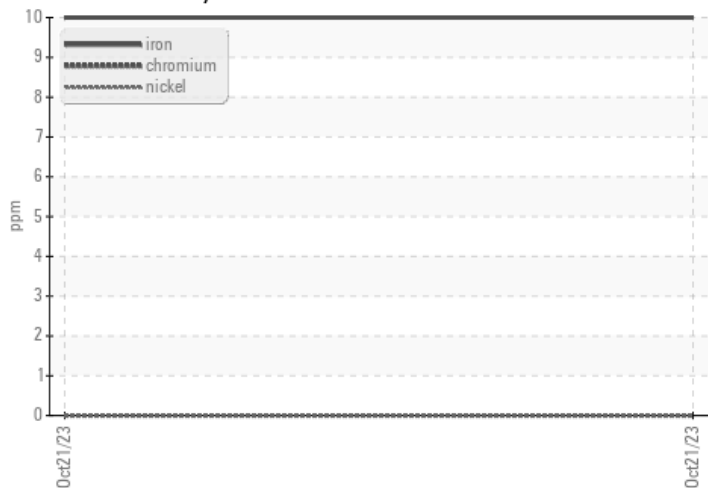
Calcium	ppm	1218	---	---	---
Magnesium	ppm	842	---	---	---
Zinc	ppm	825	---	---	---
Phosphorus	ppm	705	---	---	---
Barium	ppm	11	---	---	---
Boron	ppm	117	---	---	---

Depot: OBAWES  
Unique No: 10725522  
Signed: Don Baldrige  
Report Date: 04 Nov 2023

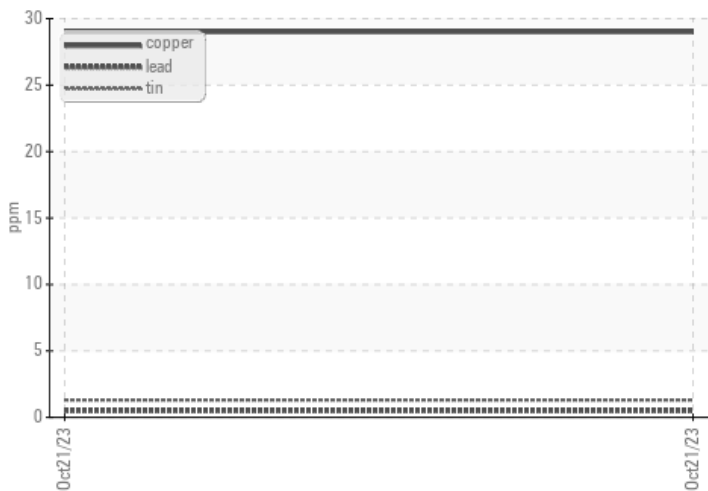


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

