

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R956 056876-1728 - Diesel Engine

Sample No: LH0267589  
 Oil Type: NOT GIVEN



**FINKBINER EQUIPMENT CO.**  
 15 W 400 N FRONTAGE RD  
 BURR RIDGE, IL  
 US 60527  
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#### SAMPLE INFORMATION

Sample Number	LH0267589	---	---	---
Sample Date	28 Oct 2023	---	---	---
Machine Hours	552	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	4.6	---	---	---
Oxidation (PA)	%	191	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	96	---	---	---
Sulfation (PA)	%	104	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	9	---	---	---



#### WEAR METALS

Iron	ppm	18	---	---	---
Copper	ppm	200	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1272	---	---	---
Magnesium	ppm	882	---	---	---
Zinc	ppm	907	---	---	---
Phosphorus	ppm	753	---	---	---
Barium	ppm	28	---	---	---
Boron	ppm	84	---	---	---

#### Diagnosis

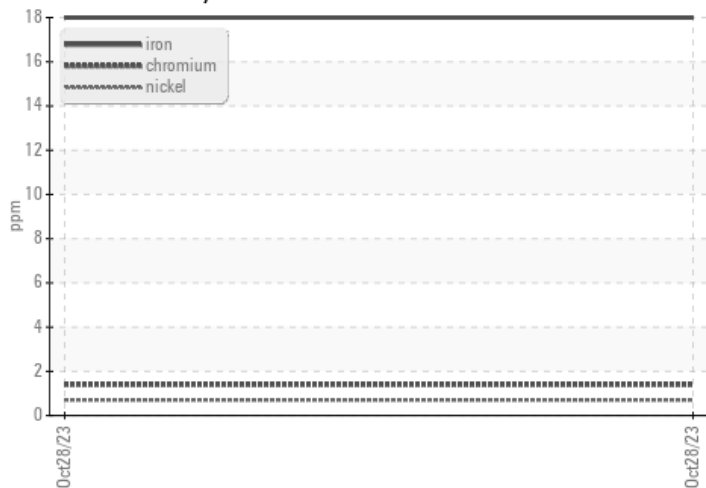
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: LEC0033  
 Unique No: 10752279  
 Signed: Angela Borella  
 Report Date: 28 Nov 2023

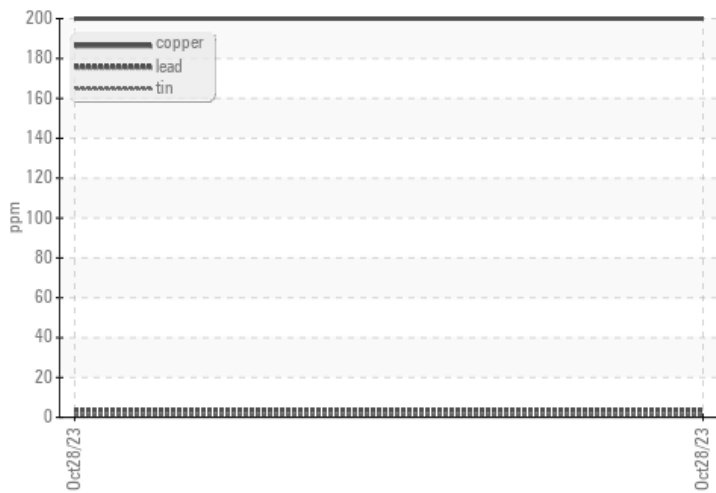


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 100°C



Base Number

