

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[MICHEL CORP]] LIEBHERR R9150BH 038079-1857 - Diesel En

Sample No: LH0268808

Oil Type: DIESEL ENGINE OIL SAE 5W40



#### SAMPLE INFORMATION

Sample Number	LH0268808	---	---	---
Sample Date	27 Dec 2023	---	---	---
Machine Hours	1248	---	---	---
Oil Hours	1248	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**FINKBINER EQUIPMENT CO.**  
 15 W 400 N FRONTAGE RD  
 BURR RIDGE, IL  
 US 60527  
 Contact: TROY MILLER  
 tmiller@finkbiner.com  
 T: (630)654-3700  
 F: (630)654-3792



#### OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	6.1	---	---	---
Oxidation (PA)	%	77	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a components first oil change. Light fuel dilution occurring. No other contaminants were detected 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

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---



#### WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	27	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	4	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

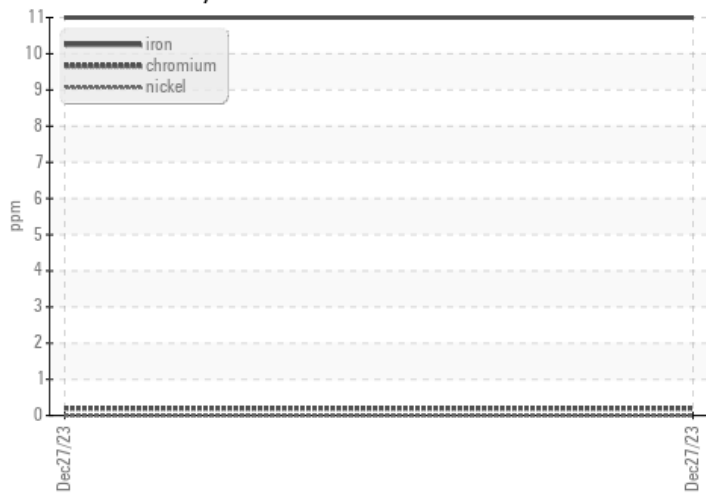
Calcium	ppm	1283	---	---	---
Magnesium	ppm	723	---	---	---
Zinc	ppm	873	---	---	---
Phosphorus	ppm	701	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	62	---	---	---

**Depot:** LEC0033  
**Unique No:** 10833227  
**Signed:** Wes Davis  
**Report Date:** 19 Jan 2024

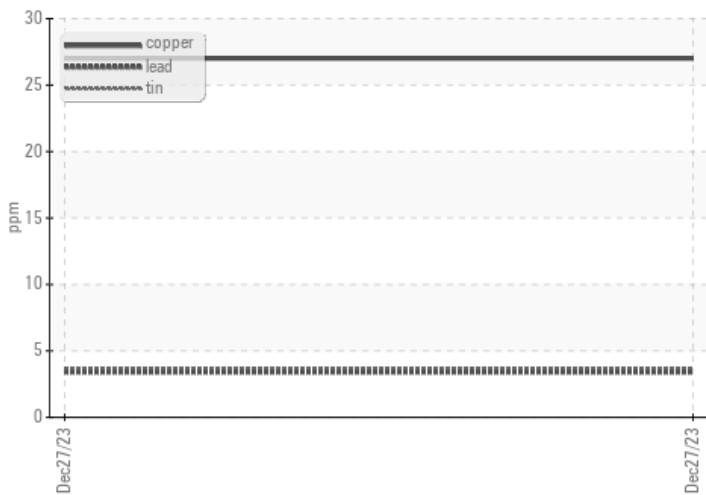


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

