

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144901-1216 - Diesel Engine

Sample No: LH0259153

Oil Type: DIESEL ENGINE OIL 10W40



**DERICHEBOURG RECYCLING**  
 1 WHARF ST  
 HOUSTON, TX  
 US 77012  
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 F:



#### SAMPLE INFORMATION

Sample Number	LH0259153	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	2327	---	---	---
Oil Hours	817	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	13.3	---	---	---
Base Number (BN)	mg KOH/g	7.4	---	---	---
Oxidation (PA)	%	88	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	84	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	5	---	---	---



#### WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	24	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

Calcium	ppm	1429	---	---	---
Magnesium	ppm	836	---	---	---
Zinc	ppm	951	---	---	---
Phosphorus	ppm	791	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	77	---	---	---

#### Diagnosis

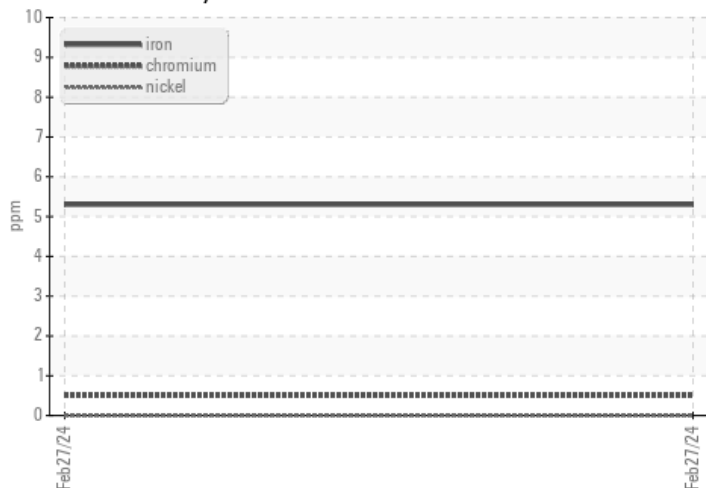
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** DERHOU  
**Unique No:** 10927736  
**Signed:** Wes Davis  
**Report Date:** 19 Mar 2024

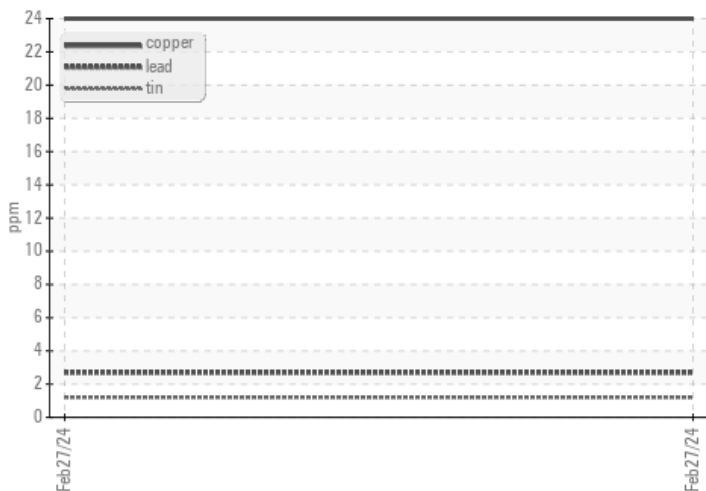


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

