

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 155277-1218 - Diesel Engine

Sample No: LH0243741

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



#### SAMPLE INFORMATION

Sample Number	LH0243741	---	---	---
Sample Date	18 Jan 2024	---	---	---
Machine Hours	362	---	---	---
Oil Hours	221	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### NUCOR STEEL

2911 E NUCOR RD  
NORFOLK, NE  
US 68702

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F: (402)644-0389



#### OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	7.3	---	---	---
Oxidation (PA)	%	76	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	4	---	---	---



#### WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	8	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

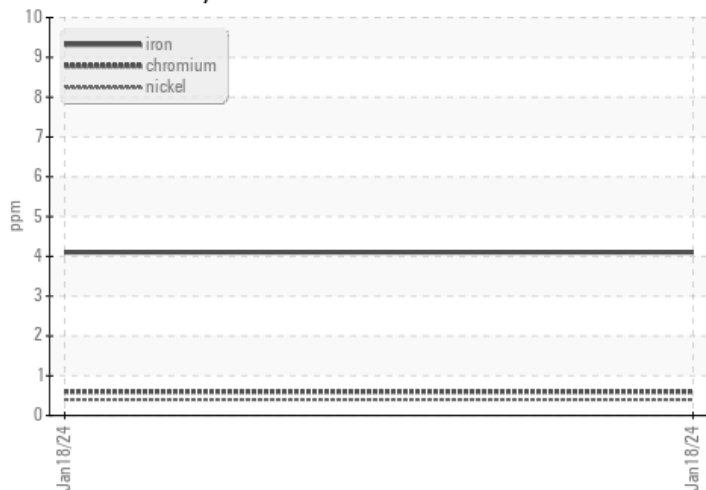
Calcium	ppm	1212	---	---	---
Magnesium	ppm	731	---	---	---
Zinc	ppm	804	---	---	---
Phosphorus	ppm	744	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	108	---	---	---

Depot: NUCNOR  
Unique No: 10847599  
Signed: Wes Davis  
Report Date: 26 Jan 2024

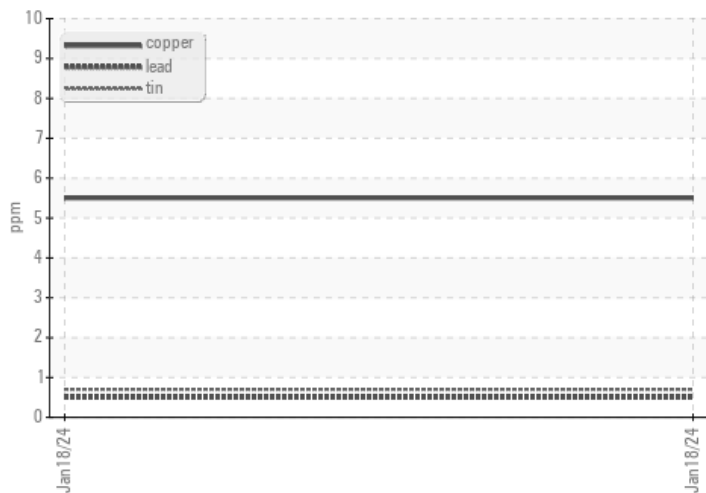


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

