

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 1215-107073 - Diesel Engine

Sample No: LH0272341  
 Oil Type: DIESEL ENGINE OIL SAE 15W40



**STUFF RECYCLING**  
 6169 LEXINGTON ROAD  
 WINCHESTER, KY  
 US 40391  
 Contact: Service Manager



#### Sample Information

Sample Number	LH0272341	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	12307	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



#### Oil Condition

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	7.5	---	---	---
Oxidation (PA)	%	55	---	---	---

T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.8	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	6	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



#### Wear Metals

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



#### Additives

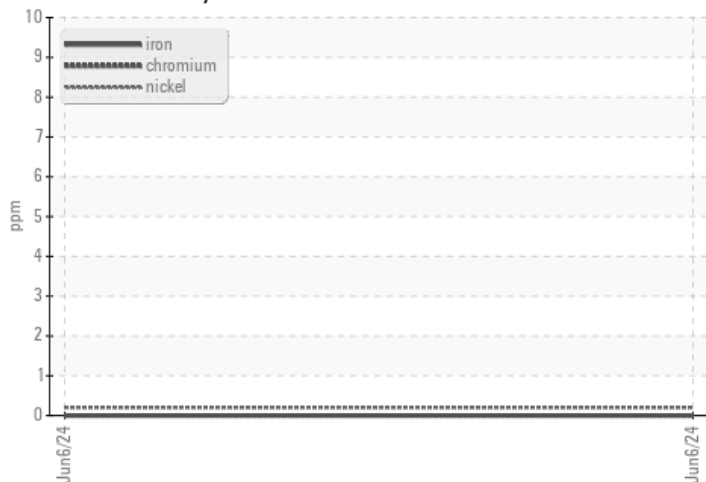
Calcium	ppm	1393	---	---	---
Magnesium	ppm	734	---	---	---
Zinc	ppm	820	---	---	---
Phosphorus	ppm	725	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	92	---	---	---

Depot: STUWIN  
 Unique No: 11076923  
 Signed: Jonathan Hester  
 Report Date: 19 Jun 2024

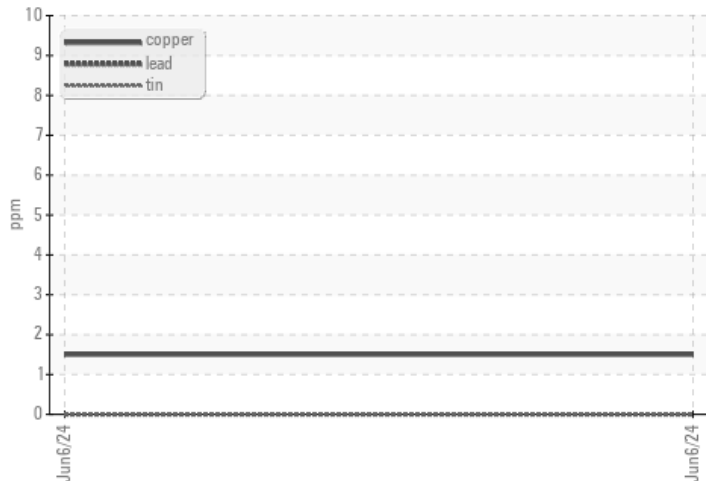


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

