

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-133792 - Diesel Engine

Sample No: LH0272891

Oil Type: LIEBHERR MOTOROIL 5W30



**C&C SCRAP IRON AND METALS INC**  
P.O. BOX 549  
KING MOUNTAIN, NC  
US 28086  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0272891	LHMC130306	---	---
Sample Date	19 Dec 2023	02 May 2023	---	---
Machine Hours	4231	3145	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.8	13.5	---	---
Base Number (BN)	mg KOH/g	6.5	8.3	---	---
Oxidation (PA)	%	60	59	---	---

T:  
F:

#### Diagnosis

Resample at the next service interval to monitor. 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.



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	44	40	---	---
Sulfation (PA)	%	55	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	1	---	---



#### WEAR METALS

Iron	ppm	2	2	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	64	65	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



#### ADDITIVES

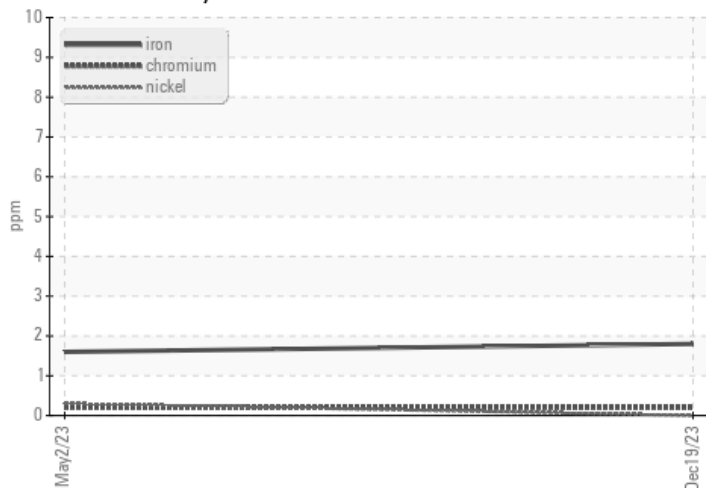
Calcium	ppm	1250	1323	---	---
Magnesium	ppm	294	335	---	---
Zinc	ppm	1040	1085	---	---
Phosphorus	ppm	833	905	---	---
Barium	ppm	0	0	---	---
Boron	ppm	377	326	---	---

Depot: CCSKIN  
Unique No: 10802596  
Signed: Wes Davis  
Report Date: 22 Dec 2023

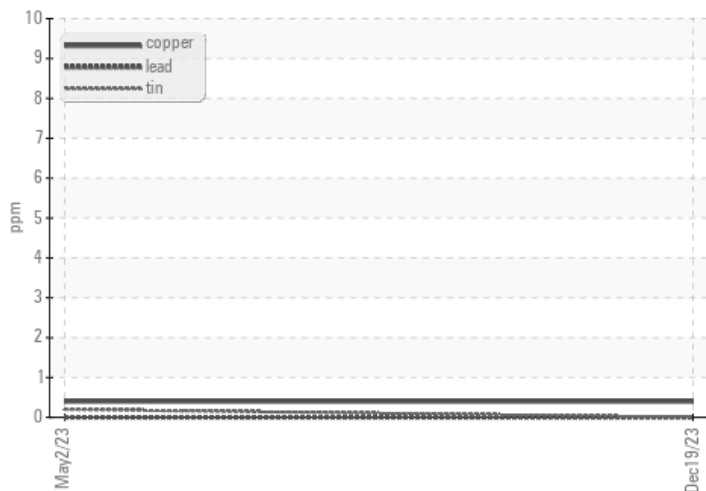


### GRAPHS

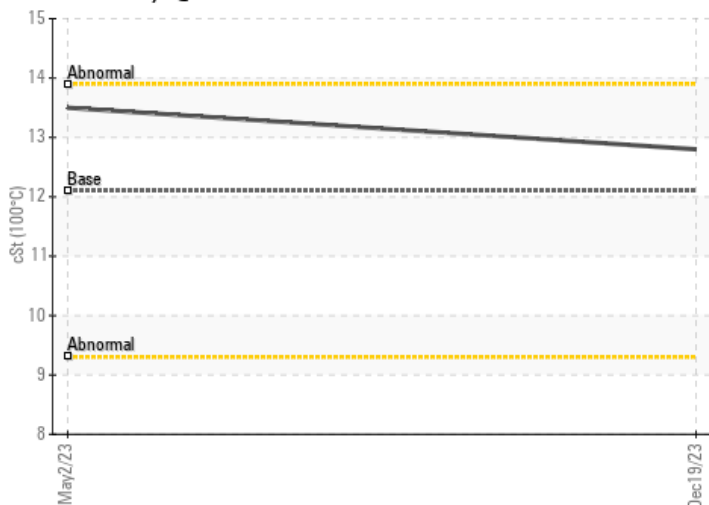
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

