

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1300-6.1 C360-1 (S/N 093157) - Diesel Engine

Sample No: LH0236075

Oil Type: LIEBHERR



#### SAMPLE INFORMATION

Sample Number	LH0236075	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	1369	---	---	---
Oil Hours	404	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

#### CUSTOM SERVICE CRANE

639 CR 3000 N  
 FISHER, IL  
 US 61843  
 Contact: TYLER  
 tyler@customservicecrane.com  
 T: (217)202-3467  
 F:



#### OIL CONDITION

Visc @ 100°C	cSt	11.4	---	---	---
Base Number (BN)	mg KOH/g	16.6	---	---	---
Oxidation (PA)	%	45	---	---	---

#### 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. Fuel content negligible. 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 %	%	0.1	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.6	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	5	---	---	---



#### WEAR METALS

Iron	ppm	9	---	---	---
Copper	ppm	15	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	7	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

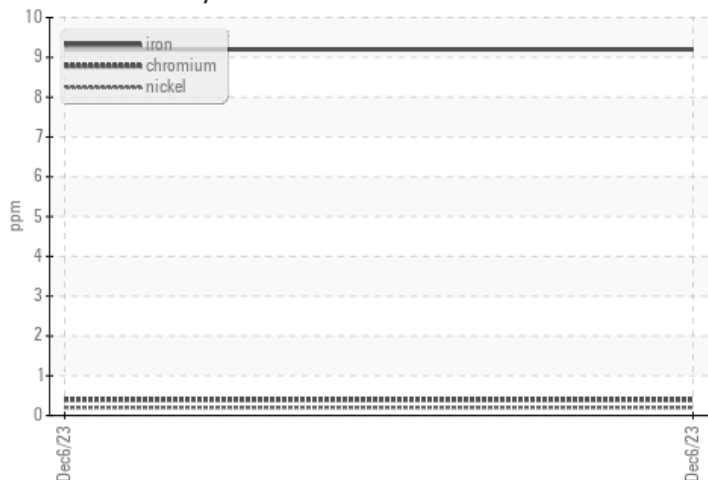
Calcium	ppm	4367	---	---	---
Magnesium	ppm	47	---	---	---
Zinc	ppm	1180	---	---	---
Phosphorus	ppm	1019	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	274	---	---	---

Depot: CUSFIS  
 Unique No: 10780922  
 Signed: Jonathan Hester  
 Report Date: 18 Dec 2023



### GRAPHS

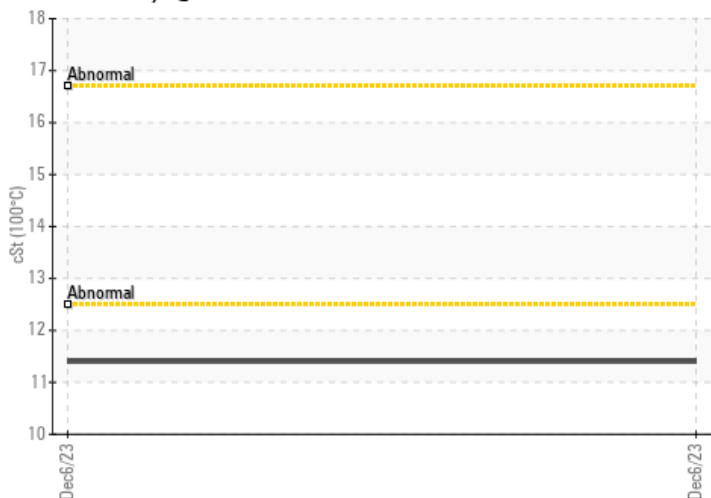
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

