

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 1756-58839 - Diesel Engine

Sample No: LHMC160600

Oil Type: LIEBHERR MOTOROIL 5W30



#### SAMPLE INFORMATION

Sample Number	LHMC160600	LHMC160615	---	---
Sample Date	20 Jul 2023	19 Jul 2023	---	---
Machine Hours	6327	6327	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

#### DREW TRANSPORT

2648 WEST 50TH STREET  
CHICAGO, IL  
US 60632  
Contact: SERVICE MANAGER



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	6.3	---	---
Base Number (BN)	mg KOH/g	7.0	11.0	---	---
Oxidation (PA)	%	63	62	---	---

T: (773)476-9472  
F:



#### CONTAMINATION

Water	%	---	1.03	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	87	108	---	---
Sulfation (PA)	%	54	46	---	---
Glycol	%	NEG	0.0	---	---
Fuel	%	<1.0	1.5	---	---
Silicon	ppm	20	19	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	9	10	---	---

#### Diagnosis

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	6	8	---	---
Copper	ppm	4	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	5	5	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	73	72	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



#### ADDITIVES

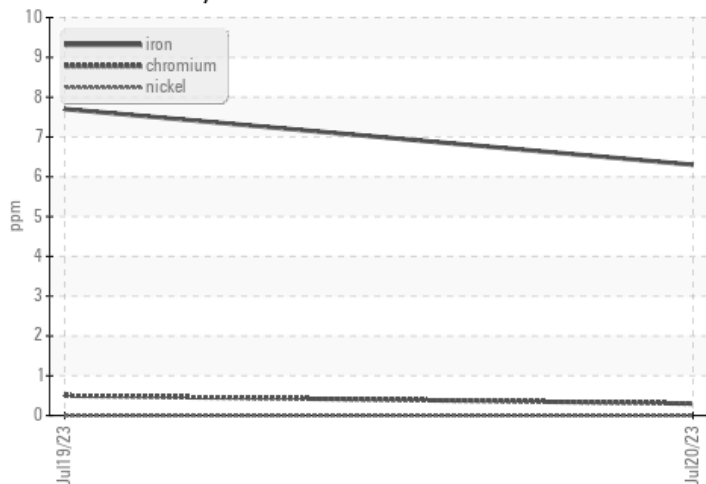
Calcium	ppm	2433	2349	---	---
Magnesium	ppm	177	182	---	---
Zinc	ppm	1248	1233	---	---
Phosphorus	ppm	1079	1058	---	---
Barium	ppm	0	0	---	---
Boron	ppm	69	66	---	---

Depot: DRECHI  
Unique No: 10565429  
Signed: Doug Bogart  
Report Date: 26 Jul 2023

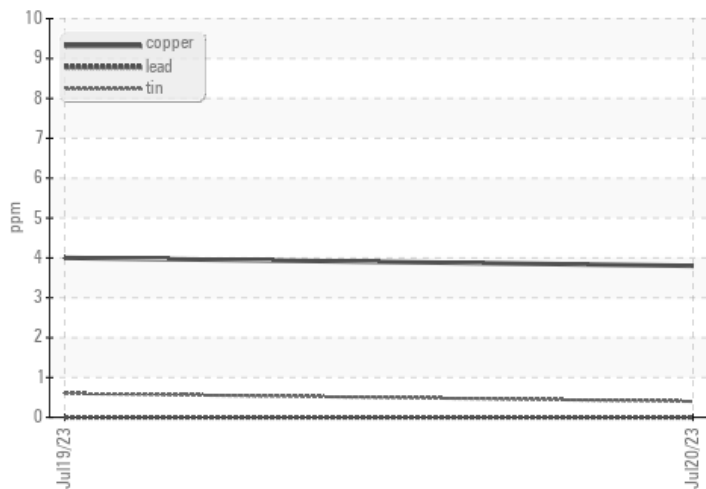


### GRAPHS

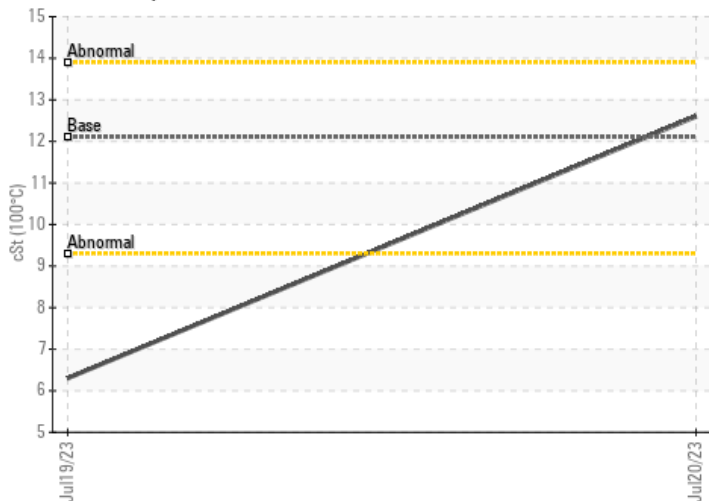
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

