

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 1756-59860 - Hydraulic System

Sample No: LH0267679

Oil Type: LIEBHERR HYDRAULIC HVI



#### SAMPLE INFORMATION

Sample Number	LH0267679	LH0198684	LH0198671	LH05393206
Sample Date	06 Dec 2023	06 May 2022	25 Feb 2022	04 Nov 2021
Machine Hours	9838	5212	4088	2931
Oil Hours	9838	0	0	0
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

HOMWOOD DISPOSAL

1501 175TH ST

HOMWOOD, IL

US 60430

Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	44.7	40.2	40.5	40.9
Acid Number (AN)	mg KOH/g	0.58	0.92	0.95	0.954

T:

F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		24807	---	19193	5138
Particles >6µm		1063	---	2413	538
Particles >14µm		37	---	134	19
ISO 4406:1999 (c)		22/17/12	---	21/18/14	20/16/11
Silicon	ppm	3	2	2	4
Sodium	ppm	0	<1	2	<1
Potassium	ppm	2	2	0	0

#### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### WEAR METALS

Iron	ppm	18	13	11	9
Copper	ppm	3	4	4	3
Lead	ppm	3	3	2	0
Tin	ppm	<1	<1	0	1
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	2	4	3	2
Molybdenum	ppm	1	<1	<1	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1008	1137	1058	1104
Magnesium	ppm	9	8	7	32
Zinc	ppm	701	696	574	573
Phosphorus	ppm	554	562	536	541
Barium	ppm	0	0	0	0
Boron	ppm	19	2	0	4

Depot: HOMHOMLH

Unique No: 10833285

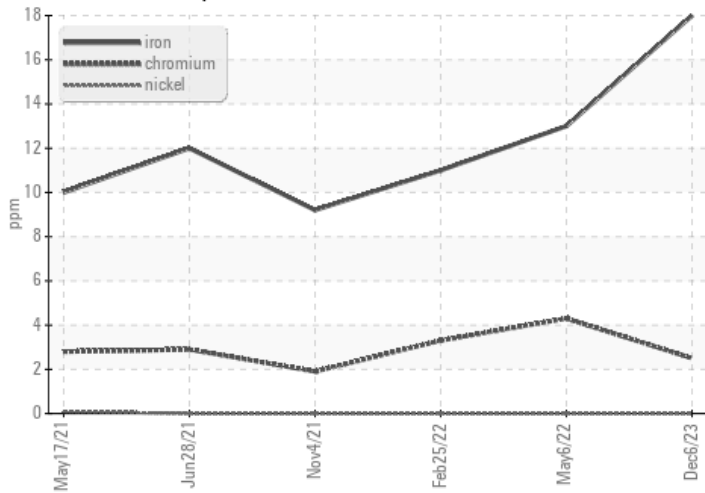
Signed: Wes Davis

Report Date: 17 Jan 2024

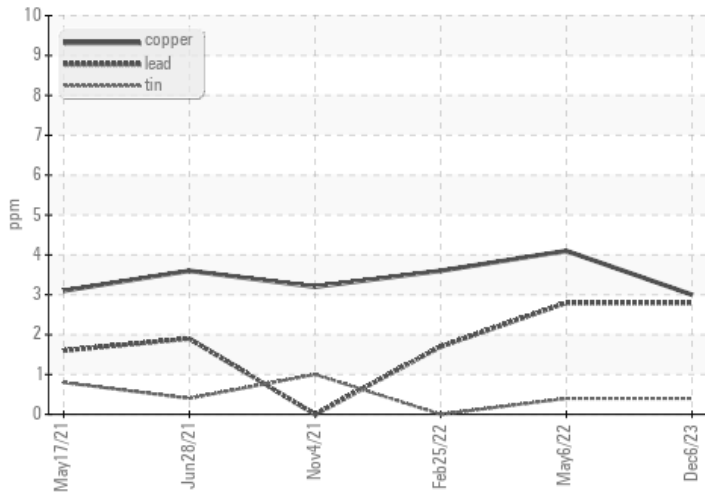


### GRAPHS

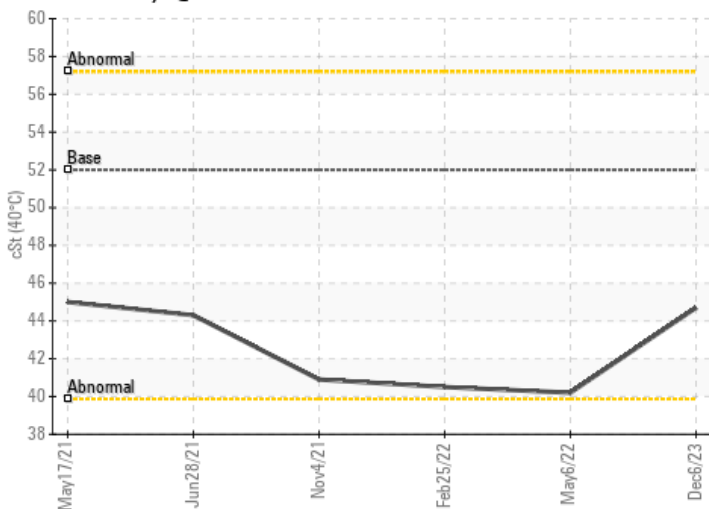
#### Ferrous Alloys



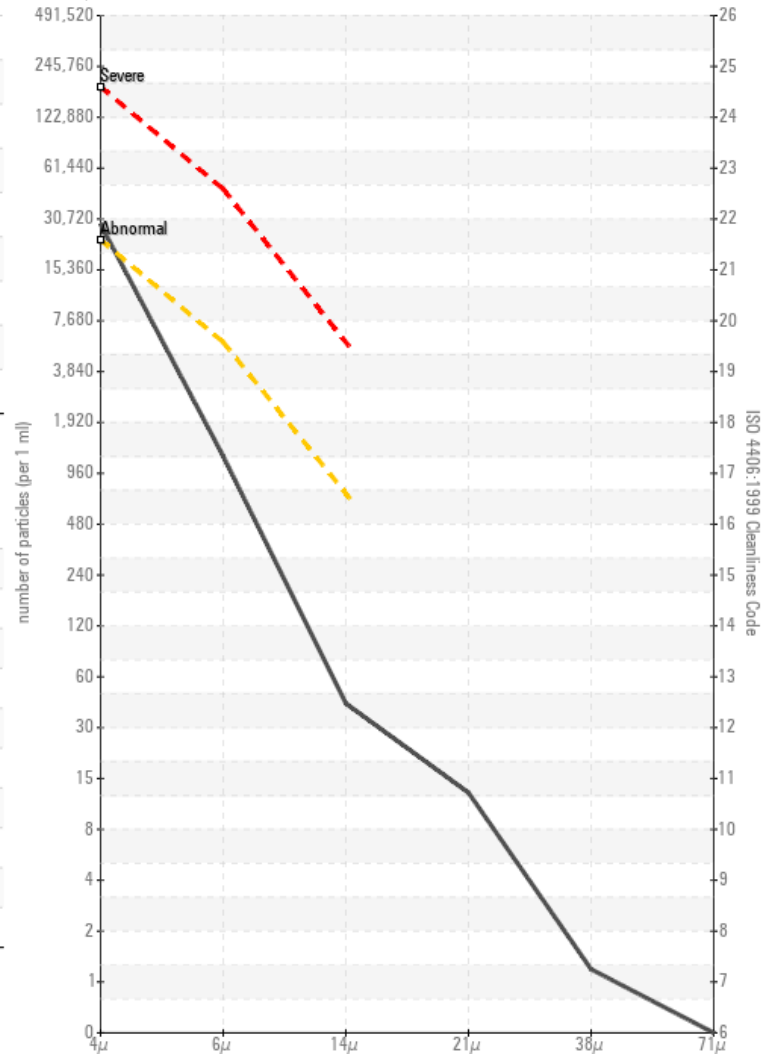
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

