

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336305)] LIEBHERR L566 057382-1332 - Hydraulic System

Sample No: LH

Oil Type: AW HYDRAULIC OIL ISO 46



#### SAMPLE INFORMATION

Sample Number	LH	LH0270046	LH	LH0256089
Sample Date	13 Sep 2023	07 Aug 2023	09 May 2023	14 Apr 2023
Machine Hours	5000	4851	4400	3900
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	ABNORMAL

**CGC DIVISION GYPSUM**  
7200 RUE NOTRE-DAME EST  
MONTREAL, QC  
CA H1N 3L6  
Contact: YVES CHEVALIER



#### OIL CONDITION

Visc @ 40°C	cSt	42.7	40.7	43.5	43.4
-------------	-----	------	------	------	------

T: (514)255-4061  
F: (514)255-6075



#### CONTAMINATION

Particles >4µm		45265	36334	40043	43716
Particles >6µm		180	2467	2774	1319
Particles >14µm		6	103	172	56
ISO 4406:1999 (c)		23/15/10	22/18/14	23/19/15	23/18/13
Silicon	ppm	1	3	1	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	1	<1	0

#### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### WEAR METALS

Iron	ppm	14	16	14	12
Copper	ppm	2	3	2	2
Lead	ppm	6	6	4	4
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	3	3	3	3
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

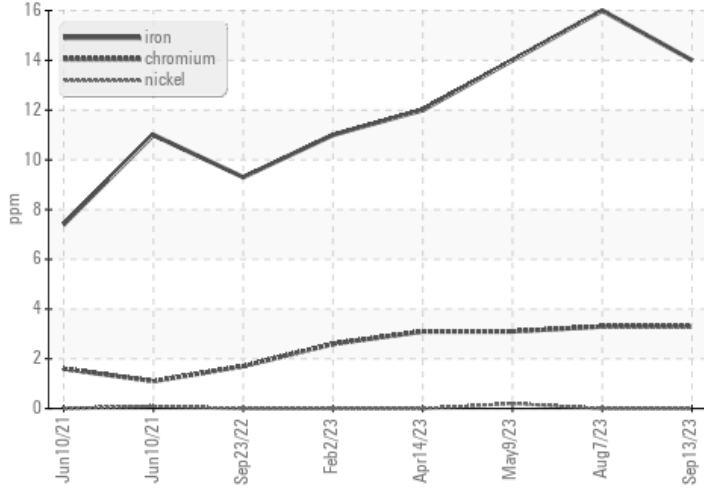
Calcium	ppm	179	252	223	185
Magnesium	ppm	3	9	3	2
Zinc	ppm	771	721	746	771
Phosphorus	ppm	643	668	664	649
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: CAN720MON  
Unique No: 5643928  
Signed: Bill Quesnel  
Report Date: 18 Sep 2023

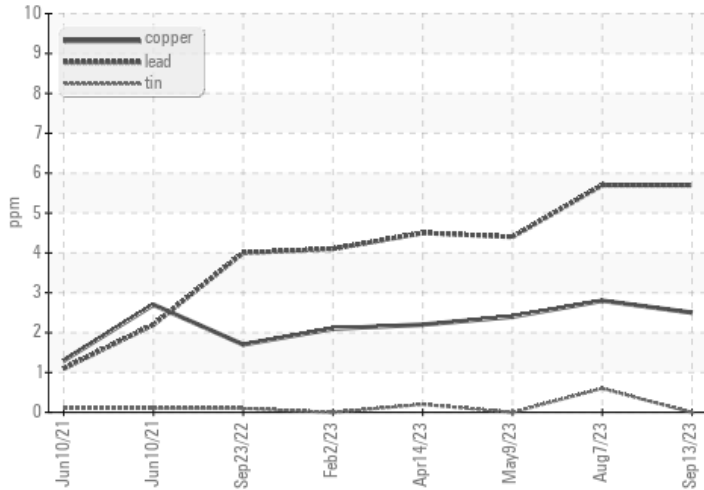


### GRAPHS

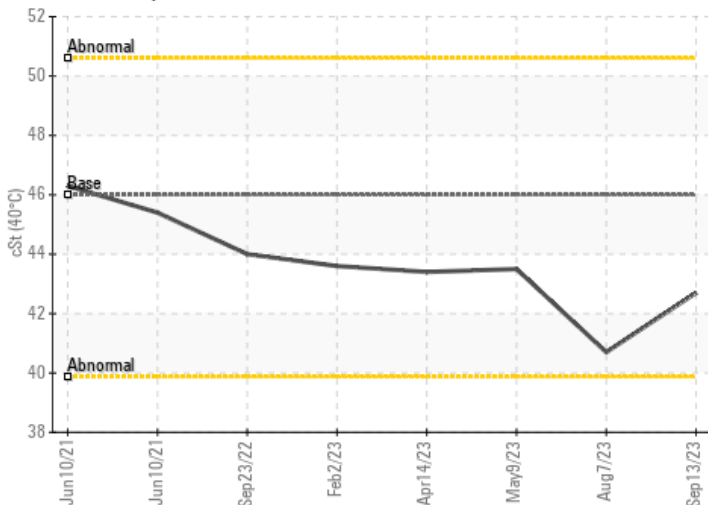
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

