

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 055418-1334 - Hydraulic System

Sample No: LH0284905

Oil Type: AW HYDRAULIC OIL ISO 46



#### SAMPLE INFORMATION

Sample Number	LH0284905	LH0281408	LH0278964	LH0270256
Sample Date	11 Feb 2024	21 Jan 2024	05 Nov 2023	25 Sep 2023
Machine Hours	13516	13061	12685	12214
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	N/A	N/A
Sample Status	ABNORMAL	NORMAL	ATTENTION	NORMAL

#### CGC INC

55 THIRD LINE RD  
HAGERSVILLE, ON  
CA N0A 1H0  
Contact: Mike Otterman  
motterman@cgcinco.com  
T: (905)768-2038  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	41.9	45.0	43.7	43.3



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		64841	9886	21209	7875
Particles >6µm		17792	744	4027	1158
Particles >14µm		611	13	36	20
ISO 4406:1999 (c)		23/21/16	20/17/11	22/19/12	20/17/11
Silicon	ppm	<1	1	2	2
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	<1	0	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	<1	6	10	11
Copper	ppm	0	<1	2	2
Lead	ppm	0	1	3	3
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	103	165	162	161
Magnesium	ppm	<1	1	2	2
Zinc	ppm	833	838	847	829
Phosphorus	ppm	659	663	651	648
Barium	ppm	0	0	<1	<1
Boron	ppm	0	<1	<1	<1

Depot: CGCHAG  
Unique No: 5724134  
Signed: Kevin Marson  
Report Date: 13 Feb 2024

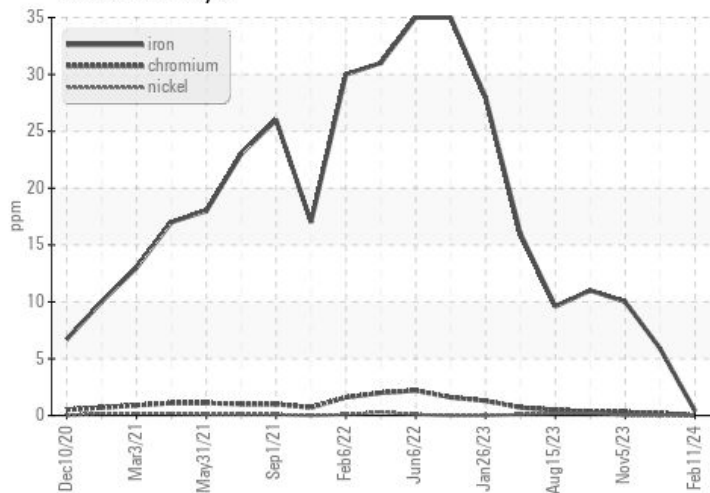
# LIEBHERR

## CONSTRUCTION EQUIPMENT

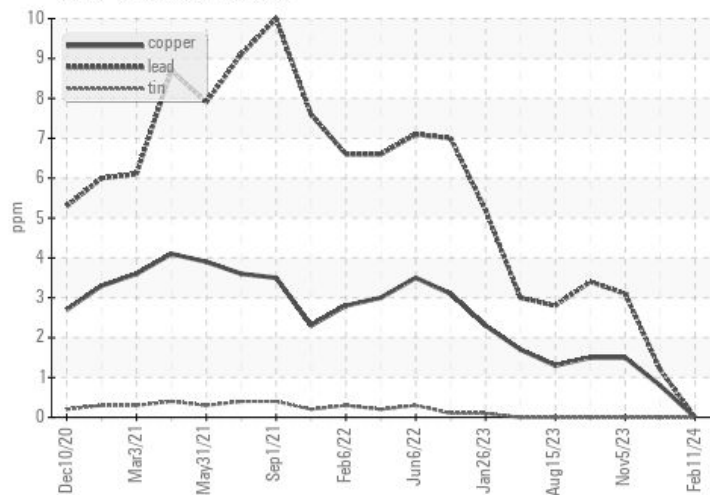


### GRAPHS

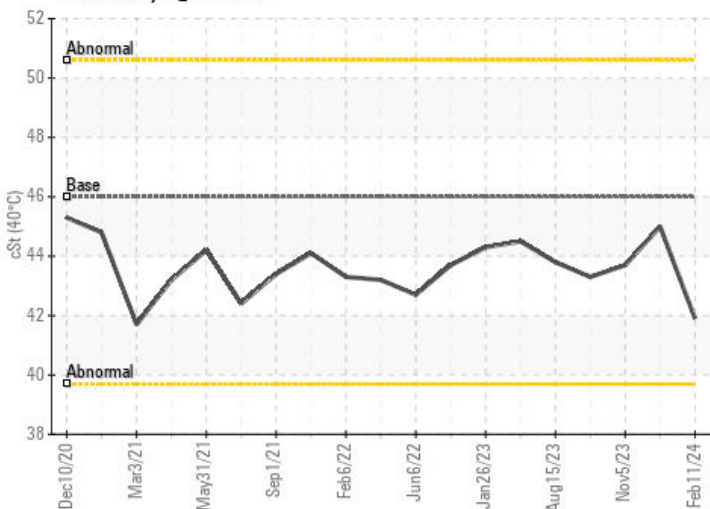
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

