

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363344)] LIEBHERR LH40C 135581-1527 - Hydraulic System

Sample No: LH0296393

Oil Type: {unknown}



#### Information sur l'échantillon

Número d'échant.	LH0296393	LH0278732	LH0277660	LH0270110
Date d'échant.	07 Jul 2024	15 Feb 2024	07 Dec 2023	25 Sep 2023
Heures de la Machine	8400	5458	4925	4405
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Changed	N/A
Statut de l'échant.	ABNORMAL	NORMAL	ABNORMAL	NORMAL

**CANADA IRON AND METAL CO. LTD.**  
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 TORONTO, ON  
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#### État d'huile

Visc 40°C	cSt	39.8	41.2	39.4	39.7



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		7102	2496	63278	959
Particules >6µ		1547	662	22230	280
Particules >14µ		78	44	1566	28
ISO 4406:1999 (c)		20/18/13	18/17/13	23/22/18	17/15/12
Silicium	ppm	<1	2	4	3
Sodium	ppm	2	1	2	2
Potassium	ppm	<1	<1	<1	<1



#### Métaux d'usure

PQ		7	---	---	---
Fer	ppm	99	28	42	36
Cuivre	ppm	4	3	5	4
Plomb	ppm	0	<1	1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	<1	<1
Manganèse	ppm	1	0	<1	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	618	519	804	821
Magnésium	ppm	2	2	2	2
Zinc	ppm	645	664	589	592
Phosphore	ppm	513	552	469	500
Baryum	ppm	0	0	<1	<1
Bore	ppm	<1	<1	<1	2

#### Diagnostic

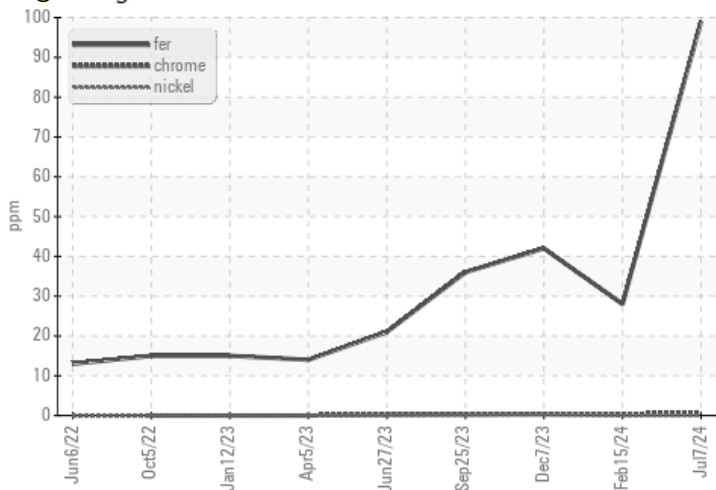
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. NOTE: An increase in the particle count is noted. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CAN353TOR  
 Unique No: 5811853  
 Signed: Kevin Marson  
 Report Date: 09 Jul 2024

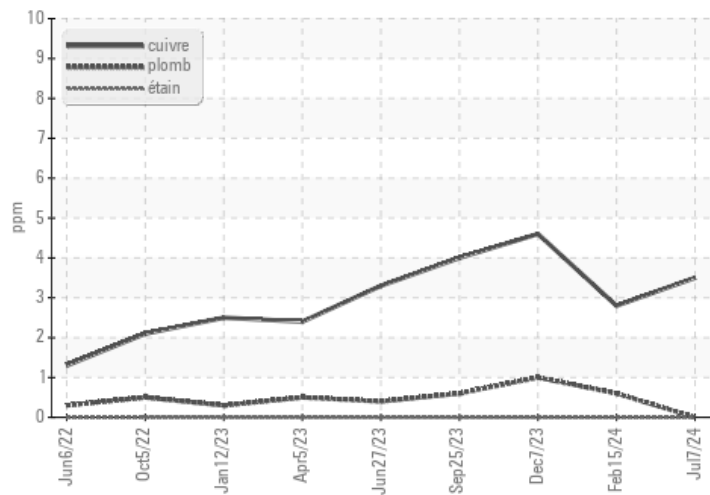


### Graphs

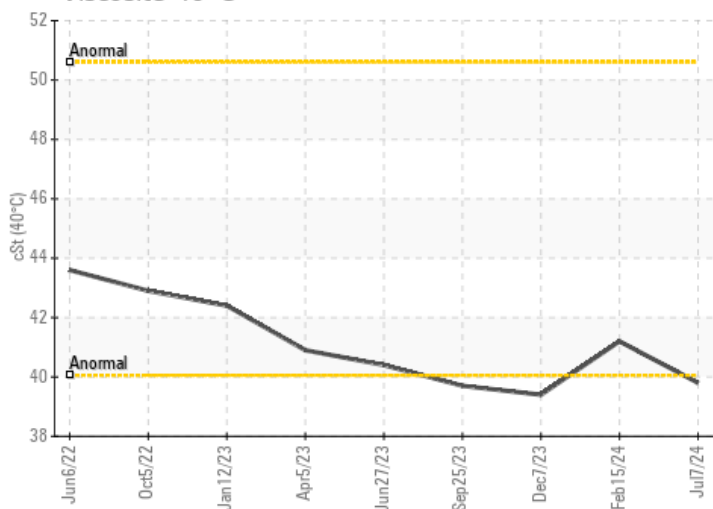
#### ● Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

