

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(340260)] LIEBHERR LH40C 127925-1527 - Hydraulic System

Sample No: LH0276268

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Information sur l'échantillon

Numéro d'échant.	LH0276268	LH0285113	LH0277655	LH0270149
Date d'échant.	07 May 2024	15 Feb 2024	07 Dec 2023	27 Sep 2023
Heures de la Machine	8032	7504	7010	6592
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	N/A	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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

Visc 40°C	cSt	40.3	40.5	40.0	40.0



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		6730	19342	27798	5671
Particules >6µ		1622	5216	7837	1470
Particules >14µ		106	275	362	97
ISO 4406:1999 (c)		20/18/14	21/20/15	22/20/16	20/18/14
Silicium	ppm	<1	1	2	2
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	0	<1



#### Métaux d'usure

PQ		11	5	7	3
Fer	ppm	103	92	96	91
Cuivre	ppm	4	3	4	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	<1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	<1	0
Manganèse	ppm	2	<1	1	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	699	699	771	837
Magnésium	ppm	3	3	2	3
Zinc	ppm	666	670	660	695
Phosphore	ppm	545	553	521	570
Baryum	ppm	0	0	<1	<1
Bore	ppm	<1	<1	<1	<1

#### Diagnostic

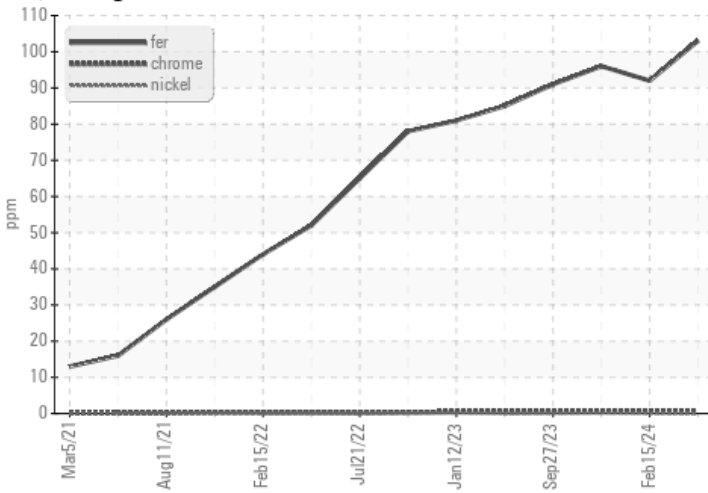
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CAN353TOR  
 Unique No: 5775294  
 Signed: Kevin Marson  
 Report Date: 09 May 2024

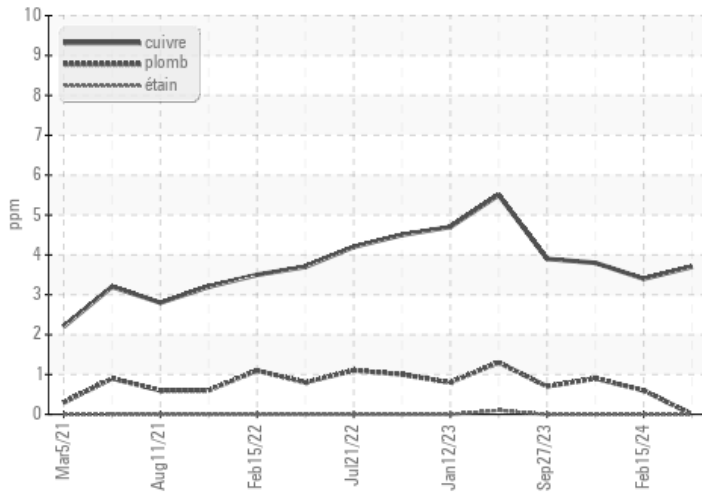


### Graphs

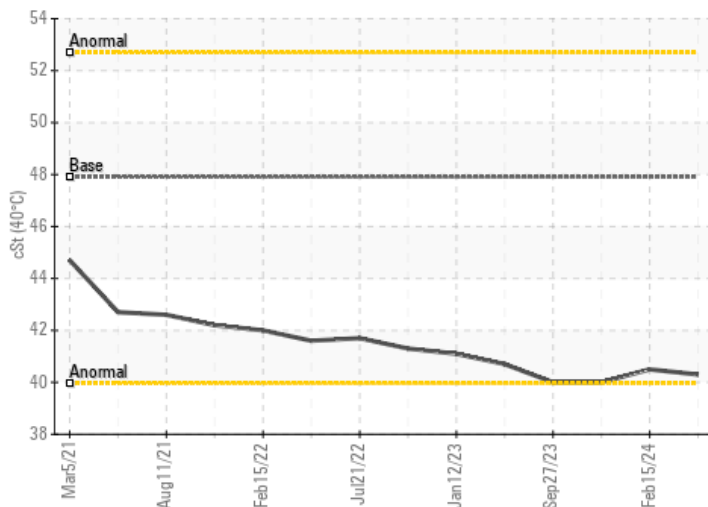
#### ● Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

