

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 117 616-1216 - Hydraulic System

Sample No: LH0285047

Oil Type: AW HYDRAULIC OIL ISO 46



**LIEBHERR CANADA LTD.**  
1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8  
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#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0285047	LH0277423	LH0274533	LH0265688
Date d'échant.	08 Feb 2024	05 Nov 2023	23 Aug 2023	11 Jun 2023
Heures de la Machine	14242	14022	13444	12860
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	NORMAL	ATTENTION	ABNORMAL	ATTENTION



#### ÉTAT D'HUILE

Visc 40°C	cSt	41.2	40.9	40.9	40.9



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		1512	26605	60965	27031
Particules >6µ		142	6747	16959	6243
Particules >14µ		6	375	1218	224
ISO 4406:1999 (c)		18/14/10	22/20/16	23/21/17	22/20/15
Silicium	ppm	<1	<1	<1	<1
Sodium	ppm	1	2	2	1
Potassium	ppm	<1	0	<1	<1



#### MÉTAUX D'USURE

Fer	ppm	20	20	20	17
Cuivre	ppm	2	2	2	2
Plomb	ppm	<1	<1	<1	0
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	2	2	2	2
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	177	126	126	139
Magnésium	ppm	2	1	2	1
Zinc	ppm	792	811	788	818
Phosphore	ppm	621	633	656	702
Baryum	ppm	0	<1	0	0
Bore	ppm	0	<1	<1	<1

#### Diagnostic

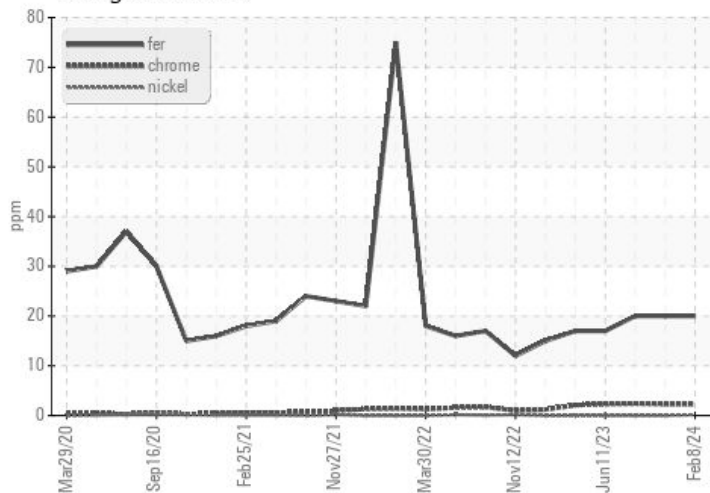
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS  
Unique No: 5723763  
Signed: Kevin Marson  
Report Date: 12 Feb 2024

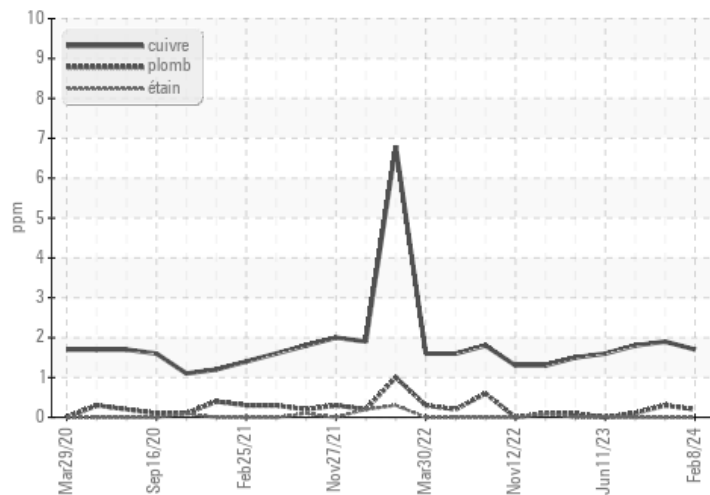


### GRAPHS

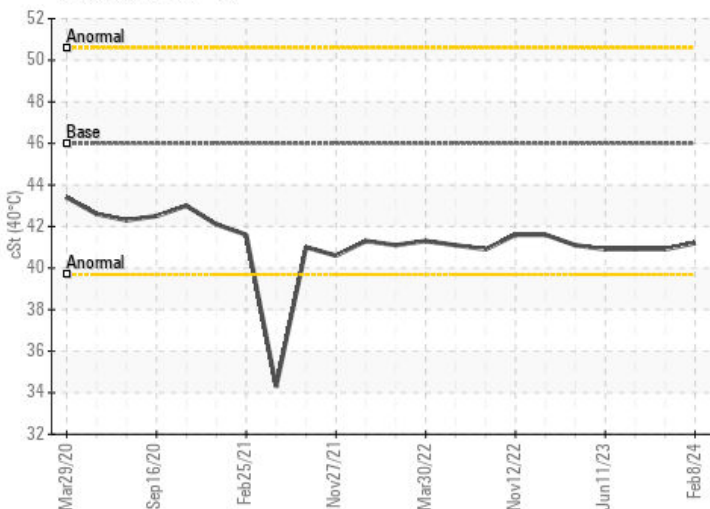
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

