

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[595690]] LIEBHERR LH50M 123311-1216 - Hydraulic System

Sample No: LH0285033

Oil Type: AW HYDRAULIC OIL ISO 46



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0285033	LH0277530	LH0261369	LH0251599
Date d'échant.	29 Jan 2024	27 Nov 2023	01 May 2023	06 Feb 2023
Heures de la Machine	0	7310	6153	5640
Heures de l'huile	0	0	0	0
Huile changée	N/A	Not Changd	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	NORMAL	MARGINAL	ATTENTION

**LONDON SALVAGE & TRADING LTD.**  
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 LONDON, ON  
 CA N5Z 2H3  
 Contact: SERVICE MANAGER  
 terry@londonsalvage.com  
 T: (519)451-0680  
 F: (519)659-3576



#### ÉTAT D'HUILE

Visc 40°C	cSt	42.9	42.9	43.1	43.0
		●	●	●	●



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		● 63195	● 5921	● 6140	● 18790
Particules >6µ		● 17343	● 1615	● 1626	● 5409
Particules >14µ		● 478	● 94	● 99	● 478
ISO 4406:1999 (c)		23/21/16	20/18/14	20/18/14	21/20/16
Silicium	ppm	● <1	● <1	● <1	● <1
Sodium	ppm	● 1	● 1	● <1	● <1
Potassium	ppm	● 1	● <1	● 0	● <1



#### MÉTAUX D'USURE

Fer	ppm	● 48	● 45	● 39	● 34
Cuivre	ppm	● 3	● 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	● 1
Molybdène	ppm	● 0	● 0	● <1	● <1
Nickel	ppm	● <1	● 0	● 0	● <1
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	● 305	● 294	● 354	● 357
Magnésium	ppm	● 6	● 6	● 6	● 6
Zinc	ppm	● 553	● 551	● 580	● 581
Phosphore	ppm	● 438	● 442	● 519	● 511
Baryum	ppm	● 0	● <1	● 0	● 0
Bore	ppm	● 1	● 2	● 2	● 2

#### Diagnostic

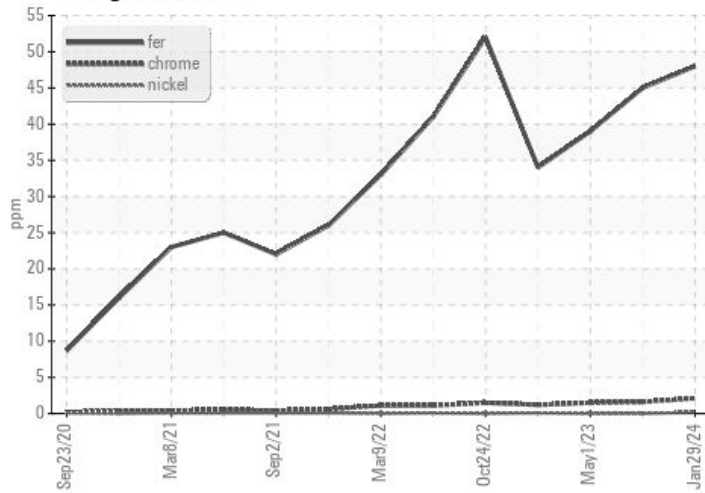
We advise that you check for the source of water entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There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

Depot: LON333LON  
 Unique No: 5721257  
 Signed: Bill Quesnel  
 Report Date: 31 Jan 2024

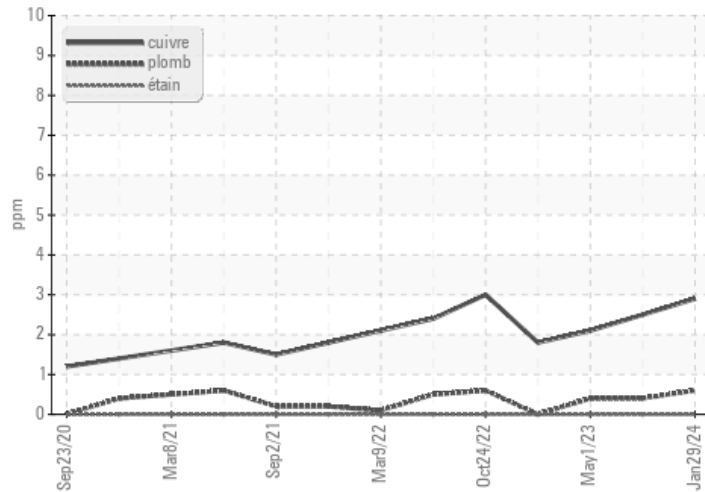


### GRAPHS

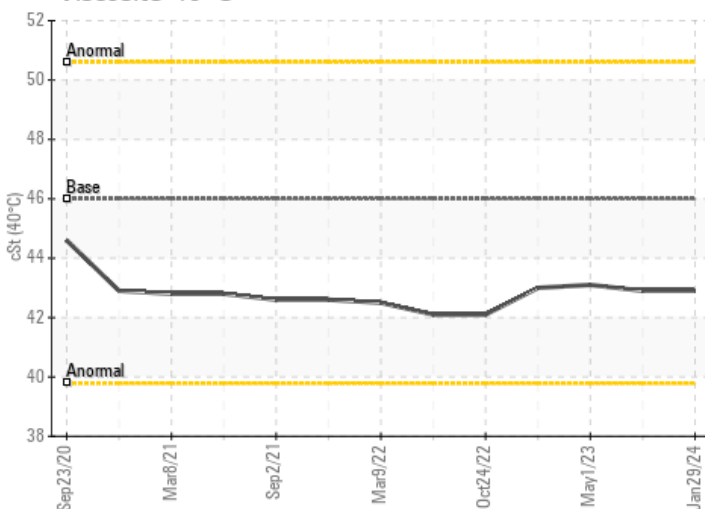
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

