

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(340261)] LIEBHERR LH80M 1277 69-1218 - Hydraulic System

Sample No: LH0202926

Oil Type: AW HYDRAULIC OIL ISO 46

#### GERDAU AMERISTEEL

1 GERDAU COURT

WHITBY, ON

CA L1N 5T1

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#### Diagnostic

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified. Light concentration of visible metal present. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Light concentration of visible dirt/debris present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



## INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0202926	LH	LH0239289	LH0227289
Date d'échant.		05 Sep 2023	13 Mar 2023	23 Aug 2022	22 Mar 2022
Heures de la Machine		11630	9456	7353	5626
Heures de l'huile		0	0	0	0
Huile changée		Not Changd	Not Changd	Not Changd	Changed
Statut de l'échant.		ATTENTION	NORMAL	NORMAL	ATTENTION



## ÉTAT D'HUILE

Visc 40°C	cSt	● 43.4	● 43.3	● 43.5	● 43.5
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## CONTAMINATION

Particules >4μ		● 21937	● 4663	● 6446	● 2773
Particules >6μ		● 6920	● 1339	● 1204	● 816
Particules >14μ		● 573	● 94	● 77	● 72
ISO 4406:1999 (c)		22/20/16	19/18/14	20/17/13	19/17/13
Silicium	ppm	● 2	● 2	● 2	● 4
Sodium	ppm	● 1	● <1	● 1	● <1
Potassium	ppm	● <1	● <1	● <1	● <1



## MÉTAUX D'USURE

PQ		---	---	---	● 5
Fer	ppm	● 18	● 29	● 37	● 61
Cuivre	ppm	● 2	● 3	● 4	● 6
Plomb	ppm	● 0	● 0	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● <1
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● 2	● 2	● 2	● 4
Molybdène	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● 0	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	● <1	● <1	● <1	● 1
Vanadium	ppm	0	0	0	0



## ADDITIFS

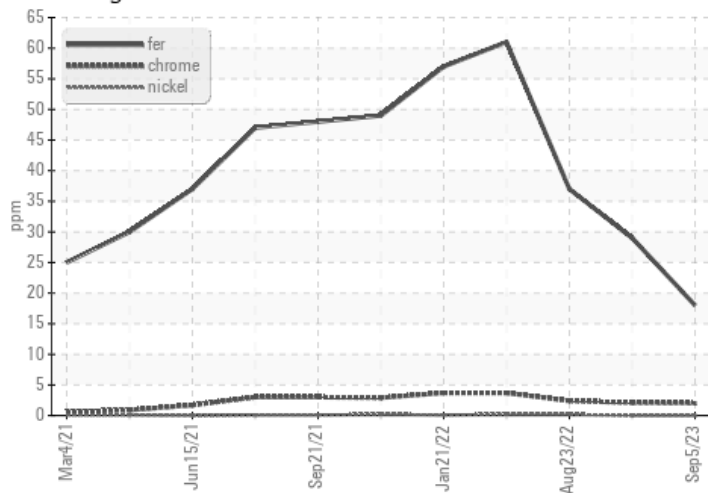
Calcium	ppm	● 98	● 169	● 210	437
Magnésium	ppm	● 2	● 5	● 3	● 4
Zinc	ppm	● 567	● 615	● 573	● 589
Phosphore	ppm	● 482	● 551	● 458	● 501
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● <1	● 1	● <1	● 1

Depot: LAKWHI  
 Unique No: 5633770  
 Signed: Kevin Marson  
 Report Date: 08 Sep 2023

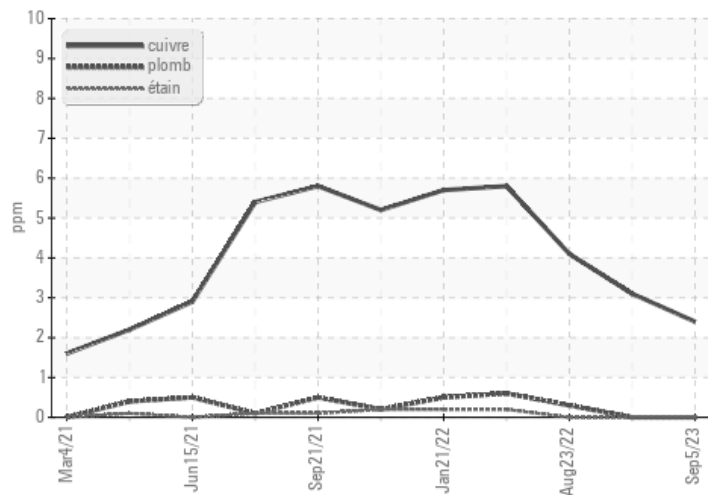


### GRAPHS

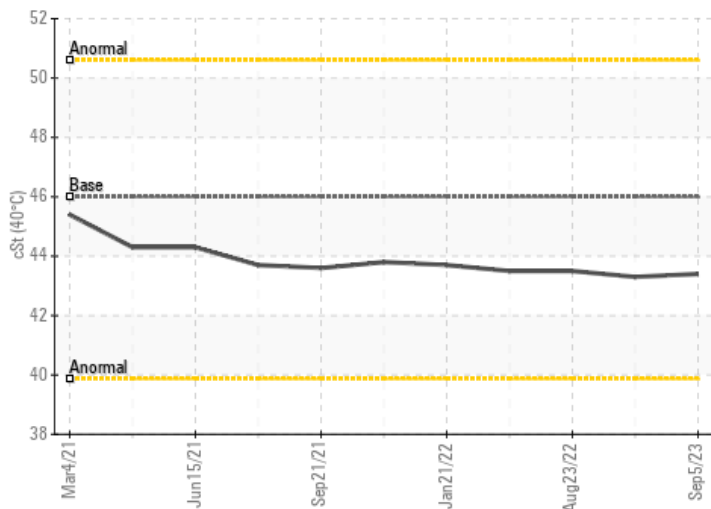
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



Particle Filter (Magn: 100 x)

