

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(343446)] LIEBHERR LH60M 124381-1217 - Hydraulic System

Sample No: LH0289733

Oil Type: AW HYDRAULIC OIL ISO 46

#### RAM IRON AND METAL

60 Ashwarren Road

TORONTO, ON

CA M3J 1Z5

Contact: PETER RACCO

PETER@RAMIRON.COM

T: (416)630-4545

F: (416)630-5258

#### Diagnostic

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. Light concentration of visible metal present. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate.



## Information sur l'échantillon

Numéro d'échant.		<b>LH0289733</b>	LH0289699	LH0285015	LH0265842
Date d'échant.		<b>27 May 2024</b>	16 Apr 2024	12 Feb 2024	26 Jun 2023
Heures de la Machine		<b>13670</b>	13245	12500	10141
Heures de l'huile		<b>0</b>	0	0	0
Huile changée		<b>Not Changd</b>	Changed	Not Changd	Not Changd
Statut de l'échant.		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL



## État d'huile

Visc 40°C	cSt	<b>33.0</b>	32.9	37.2	33.9
-----------	-----	-------------	------	------	------



## Contamination

Eau	%	<b>NEG</b>	NEG	NEG	NEG
Particules >4μ		<b>5524</b>	6420	5380	7184
Particules >6μ		<b>1106</b>	1500	1414	1578
Particules >14μ		<b>41</b>	82	89	50
ISO 4406:1999 (c)		<b>20/17/13</b>	20/18/14	20/18/14	20/18/13
Silicium	ppm	<b>0</b>	0	<1	1
Sodium	ppm	<b>&lt;1</b>	2	<1	2
Potassium	ppm	<b>0</b>	0	<1	<1



## Métaux d'usure

PQ		<b>---</b>	---	---	1
Fer	ppm	<b>7</b>	7	8	67
Cuivre	ppm	<b>1</b>	1	1	4
Plomb	ppm	<b>0</b>	0	0	<1
Étain	ppm	<b>0</b>	0	0	0
Aluminium	ppm	<b>0</b>	0	<1	<1
Chrome	ppm	<b>&lt;1</b>	<1	<1	2
Molybdène	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titane	ppm	<b>0</b>	0	0	0
Argent	ppm	<b>0</b>	0	0	0
Manganèse	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## Additifs

Calcium	ppm	<b>57</b>	57	69	227
Magnésium	ppm	<b>2</b>	1	2	8
Zinc	ppm	<b>345</b>	345	361	434
Phosphore	ppm	<b>280</b>	276	295	373
Baryum	ppm	<b>0</b>	0	0	0
Bore	ppm	<b>&lt;1</b>	<1	<1	2

Depot: RAMTOR  
 Unique No: 5787276  
 Signed: Kevin Marson  
 Report Date: 30 May 2024

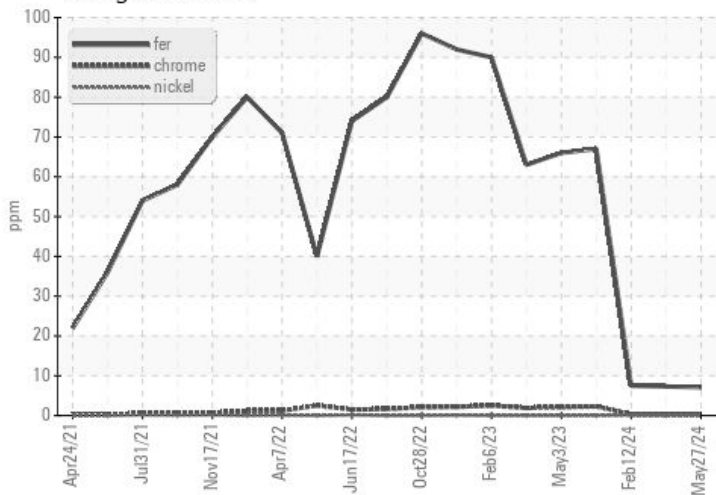
# LIEBHERR

## CONSTRUCTION EQUIPMENT

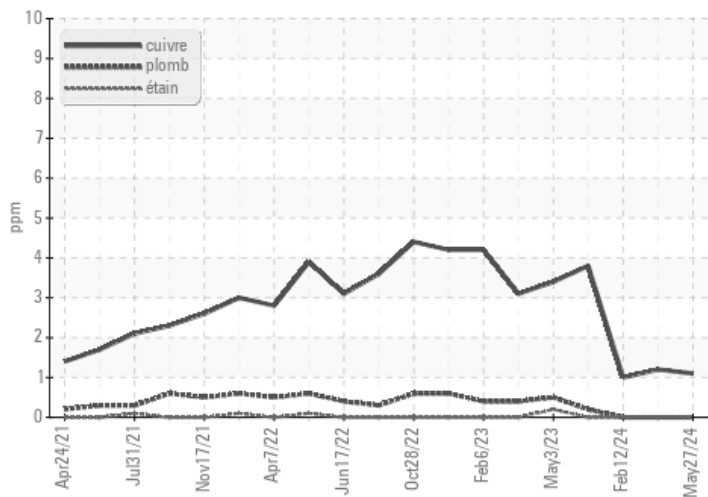


### Graphs

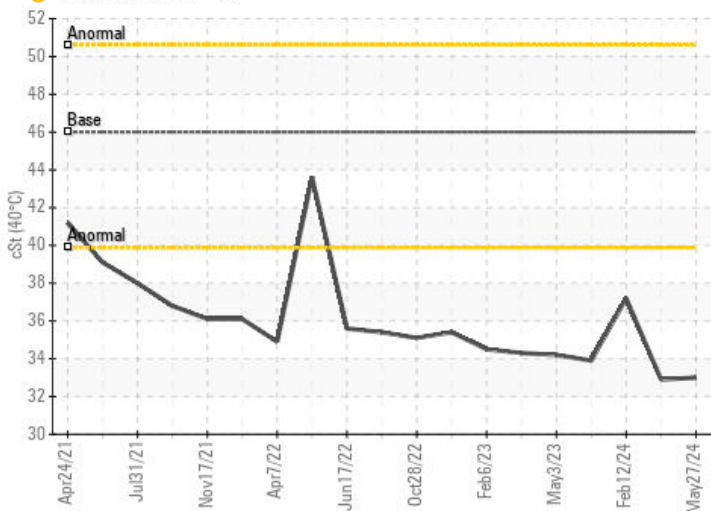
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



Particle Filter (Magn: 100 x)

