



### LIEBHERR LH60M 146313-1217 - Hydraulic System

Sample No: LH0286927

Oil Type: {unknown}



**WENTWORTH METAL RECYCLING**  
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 HAMILTON, ON  
 CA L8L 5X1  
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 T:  
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#### Information sur l'échantillon

Numéro d'échant.	LH0286927	LH0286974	LH0278624	LH0278961
Date d'échant.	17 Jun 2024	16 Apr 2024	21 Jan 2024	27 Nov 2023
Heures de la Machine	3178	2658	2083	1637
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



#### État d'huile

Visc 40°C	cSt	41.6	42.1	42.8	43.0



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		1794	4485	8763	18536
Particules >6µ		518	1267	703	4109
Particules >14µ		47	89	35	170
ISO 4406:1999 (c)		18/16/13	19/17/14	20/17/12	21/19/15
Silicium	ppm	5	2	4	4
Sodium	ppm	3	2	2	3
Potassium	ppm	<1	<1	<1	0



#### Métaux d'usure

Fer	ppm	33	26	26	24
Cuivre	ppm	20	18	20	17
Plomb	ppm	<1	0	1	1
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	2	1	<1	<1
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	<1
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	1021	1030	1187	1185
Magnésium	ppm	6	6	4	4
Zinc	ppm	663	660	690	699
Phosphore	ppm	562	567	600	601
Baryum	ppm	<1	0	0	<1
Bore	ppm	2	1	<1	<1

#### Diagnostic

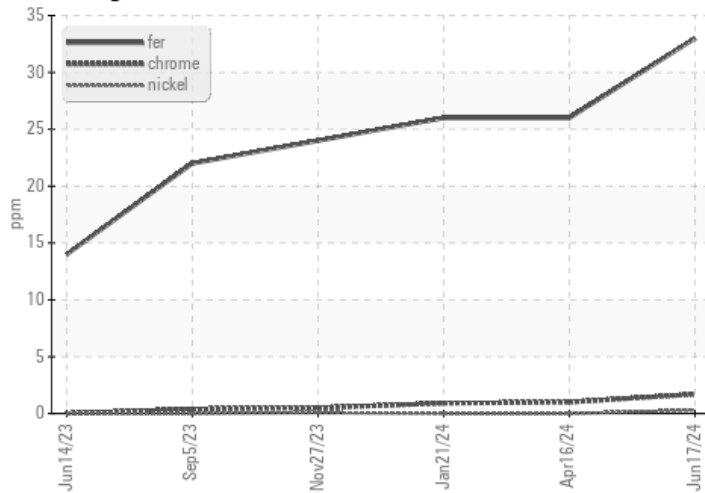
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. The 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: WENHAM  
 Unique No: 5800168  
 Signed: Kevin Marson  
 Report Date: 19 Jun 2024

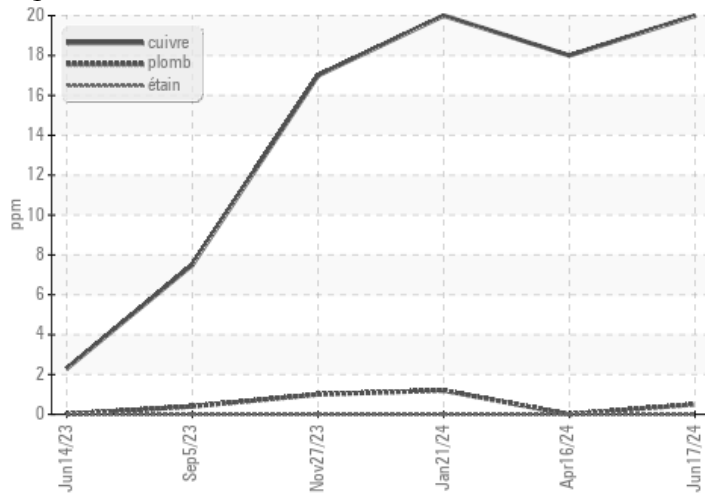


### Graphs

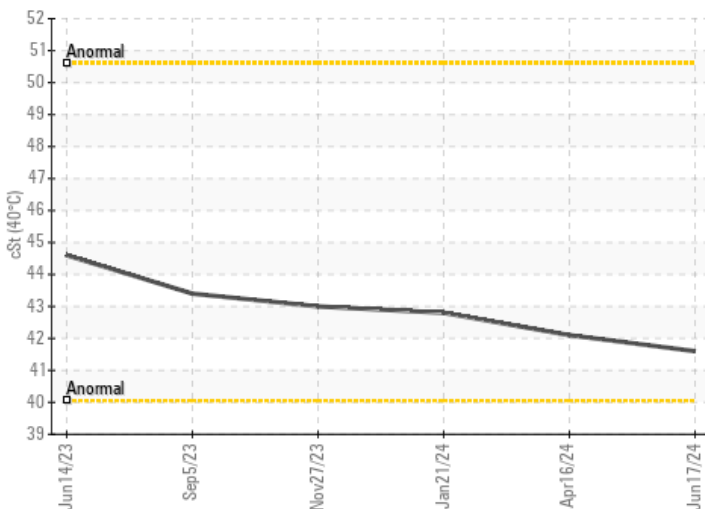
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

