LIEBHERR
CONSTRUCTION EQUIPMENT

[(341435)] LIEBHERR LH50M 128733-1216 - Hydraulic System

Sample No: LH0286548

Oil Type: {unknown}

COMBINED METAL INDUSTRIES
454 DOBBIE DRIVE
CAMBRIDGE, ON
CA N1T 1S7
Contact: Service Manager

T:
F:

INFORMATION SUR L'éCHANTILLON

Numéro d'échant.		**LH0286548**	LH0278633	LH0277774	LH0274633
Date d'échant.		**19 Mar 2024**	17 Jan 2024	20 Nov 2023	16 Aug 2023
Heures de la Machine		**9241**	8647	8180	7832
Heures de l'huile		**0**	0	0	0
Huile changée		**Not Changd**	Not Changd	Not Changd	Changed
Statut de l'echant.		**SEVERE**	SEVERE	SEVERE	SEVERE

ÉTAT D'HUILE

Visc 40°C	cSt	**40.6**	41.1	41.4	40.9

CONTAMINATION

Eau	%	**0.016**	NEG	NEG	NEG
Particules >4µ		**6312**	3341	1666	65082
Particules >6µ		**1698**	876	448	19821
Particules >14µ		**110**	58	23	851
ISO 4406:1999 (c)		**20/18/14**	19/17/13	18/16/12	23/21/17
Silicium	ppm	**<1**	2	2	2
Sodium	ppm	**2**	2	2	2
Potassium	ppm	**<1**	1	0	<1

MéTAUX D'USURE

PQ		**14**	9	0	9
Fer	ppm	**140**	124	123	126
Cuivre	ppm	**4**	4	4	4
Plomb	ppm	**0**	<1	<1	<1
Étain	ppm	**0**	0	0	0
Aluminium	ppm	**0**	<1	<1	1
Chrome	ppm	**1**	1	1	1
Molybdène	ppm	**0**	0	0	0
Nickel	ppm	**0**	<1	0	0
Titane	ppm	**0**	0	0	0
Argent	ppm	**0**	0	<1	4
Manganèse	ppm	**1**	2	2	2
Vanadium	ppm	**0**	0	0	0

ADDITIFS

Calcium	ppm	**417**	415	434	480
Magnésium	ppm	**2**	3	2	3
Zinc	ppm	**802**	779	806	797
Phosphore	ppm	**632**	635	634	674
Baryum	ppm	**0**	0	0	0
Bore	ppm	**0**	0	<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.Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: COM454CAM
Unique No: 5748546
Signed: Kevin Marson
Report Date: 21 Mar 2024

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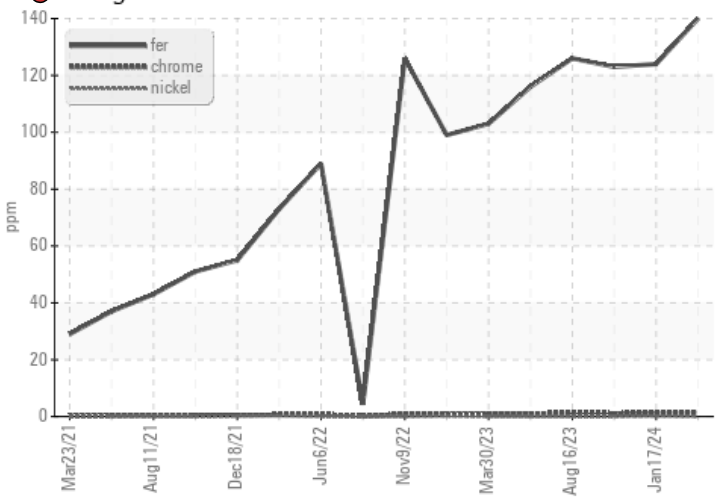
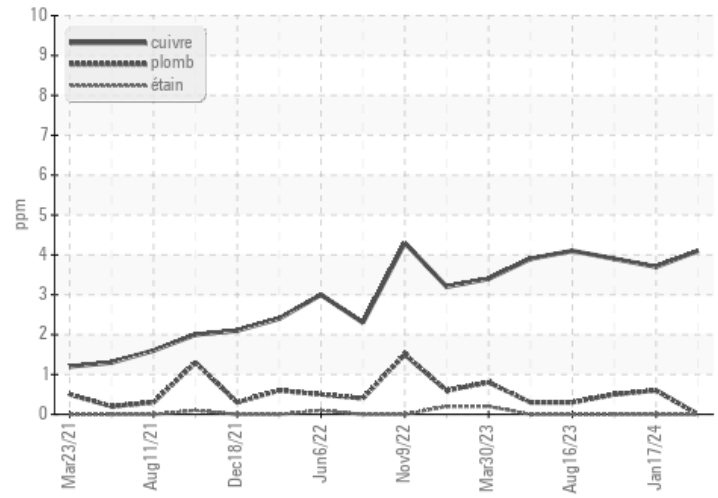
GRAPHS

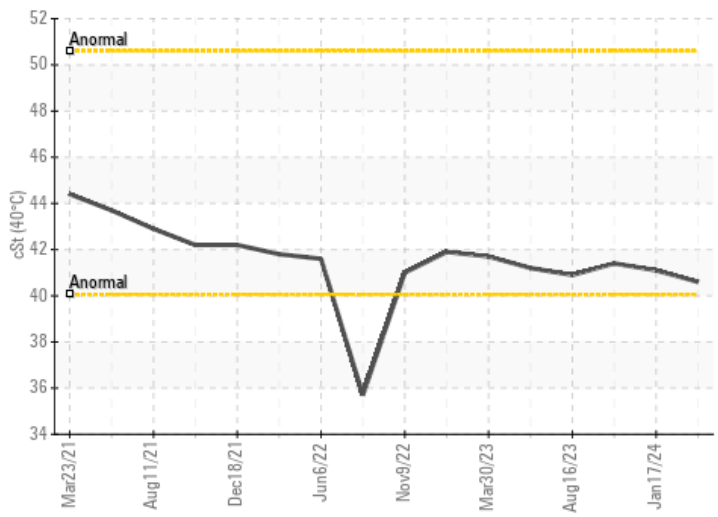
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules