

LIEBHERR

CONSTRUCTION EQUIPMENT



[(338032)] LIEBHERR LH50M 126428-1216 - Hydraulic System

Sample No: LH0276174

Oil Type: ISO 46

COMBINED METAL INDUSTRIES

454 DOBBIE DRIVE

CAMBRIDGE, ON

CA N1T 1S7

Contact: Service Manager

T:

F:

Diagnostic

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Light concentration of visible metal present. Cylinder wear is indicated. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Information sur l'échantillon

Numéro d'échant.		LH0276174	LH0286839	LH0285098	LH0274489
Date d'échant.		07 Jul 2024	10 Mar 2024	08 Feb 2024	16 Aug 2023
Heures de la Machine		12069	10987	10500	9184
Heures de l'huile		0	0	0	0
Huile changée		Not Changd	Not Changd	Changed	Not Changd
Statut de l'échant.		ABNORMAL	NORMAL	ATTENTION	ABNORMAL



État d'huile

Visc 40°C	cSt	● 42.4	● 43.7	● 42.6	● 41.5
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Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4μ		● 7294	● 16233	● 21493	● 57643
Particules >6μ		● 1764	● 3702	● 5936	● 17281
Particules >14μ		● 134	● 196	● 434	● 1891
ISO 4406:1999 (c)		20/18/14	21/19/15	22/20/16	23/21/18
Silicium	ppm	● 0	● <1	● <1	● 2
Sodium	ppm	● <1	● <1	● <1	● 1
Potassium	ppm	● <1	● 0	● <1	● <1



Métaux d'usure

PQ		---	---	---	● 0
Fer	ppm	● 10	● 11	● 27	● 57
Cuivre	ppm	● 1	● <1	● 2	● 3
Plomb	ppm	● 0	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● 0
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● <1	● <1	● 2	● 2
Molybdène	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● 0
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	<1
Manganèse	ppm	● 0	● 0	● 0	● <1
Vanadium	ppm	0	0	0	0



Additifs

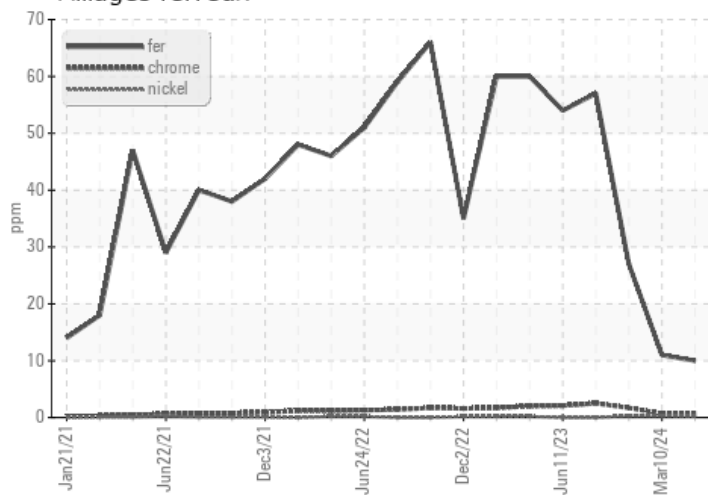
Calcium	ppm	● 129	● 137	● 197	● 334
Magnésium	ppm	● <1	● 1	● 1	● 2
Zinc	ppm	● 831	● 818	827	807
Phosphore	ppm	● 639	● 648	● 646	● 670
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● <1	● 0	● <1	● 1

Depot: COM454CAM
 Unique No: 5811852
 Signed: Kevin Marson
 Report Date: 11 Jul 2024

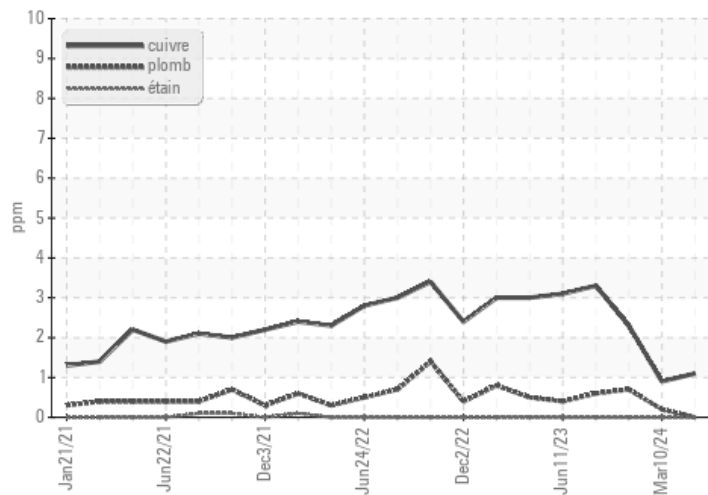


Graphs

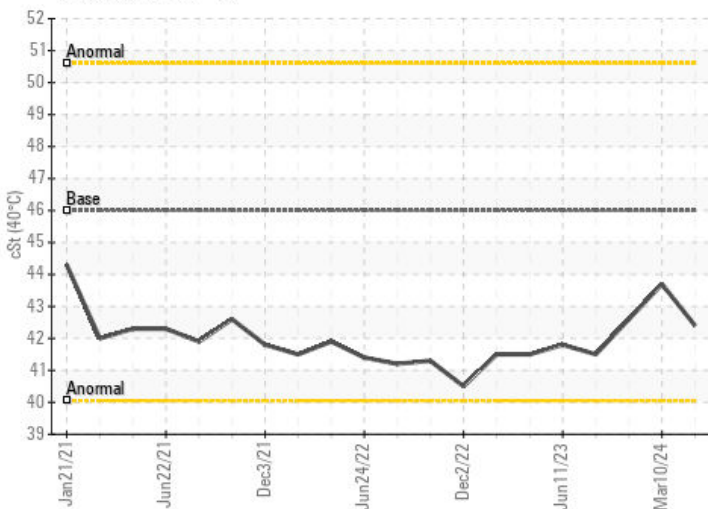
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

