

LIEBHERR

CONSTRUCTION EQUIPMENT



[(341437)] LIEBHERR LH50M 128335-1216 - Hydraulic System

Sample No: LH0270152

Oil Type: AW HYDRAULIC OIL ISO 46

COMBINED METAL INDUSTRIES-PUBLIC YARD
129 FENMAR DR
TORONTO, ON
CA M9L 1M7
Contact: Greg Sacher
gsacher@combinedmetal.com
T: (416)642-7262
F: x:

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. Iron ppm levels are abnormal. 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 system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0270152	LH0256663	LH0251793	LH0251725
Date d'échant.		27 Sep 2023	13 Apr 2023	22 Feb 2023	04 Jan 2023
Heures de la Machine		10573	8766	8255	7736
Heures de l'huile		0	0	0	0
Huile changée		Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.		ABNORMAL	SEVERE	ABNORMAL	ABNORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	● 40.7	● 41.1	● 41.7	● 41.4
Visc 100°C	cSt	● 7.6	---	---	---
Indice de viscosité (VI)	Scale	157	---	---	---



CONTAMINATION

Particules >4μ		● 3040	● 74387	● 3568	● 13548
Particules >6μ		● 744	● 35308	● 1056	● 4028
Particules >14μ		● 33	● 5464	● 97	● 362
ISO 4406:1999 (c)		19/17/12	23/22/20	19/17/14	21/19/16
Silicium	ppm	● 1	● 1	● 1	● 1
Sodium	ppm	● 2	● 1	● <1	● 1
Potassium	ppm	● <1	● <1	● <1	● <1



MÉTAUX D'USURE

PQ		● 0	● 2	● 1	● 1
Fer	ppm	● 75	● 74	● 77	● 78
Cuivre	ppm	● 3	● 3	● 3	● 3
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● <1	● 0
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● 2	● 1	● 1	● 1
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

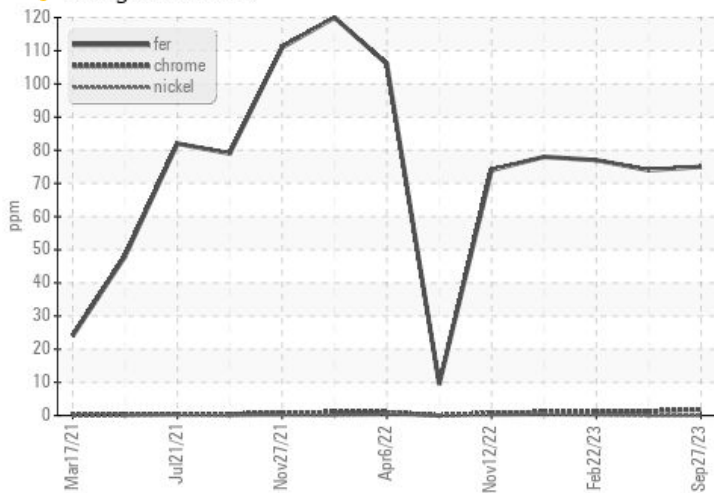
Calcium	ppm	● 263	● 311	● 326	● 355
Magnésium	ppm	● 2	● 2	● 2	● 2
Zinc	ppm	793	802	775	801
Phosphore	ppm	613	691	662	676
Baryum	ppm	● <1	● 0	● 0	● 0
Bore	ppm	● <1	● <1	● <1	● <1

Depot: COMTOR
 Unique No: 5654954
 Signed: Kevin Marson
 Report Date: 03 Oct 2023

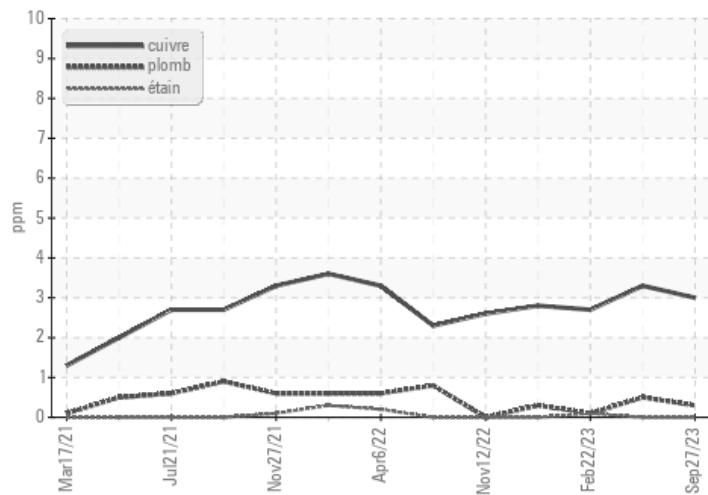


GRAPHS

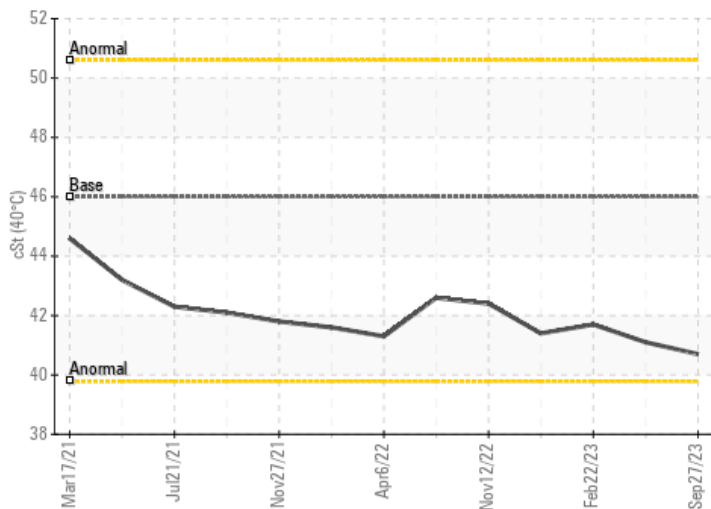
● Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

