LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 113527-1216 - Hydraulic System

Sample No: LH0290625

Oil Type: AW HYDRAULIC OIL ISO 46

LIEBHERR CANADA LTEE
444 AVENUE DE LA FRICHE
DOLBEAU-MISTASSINI, QC
CA G8L 3M7
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Information sur l'échantillon

Numéro d'échant.		**LH0290625**	LH0284315	LH	---
Date d'échant.		**13 Jun 2024**	13 Mar 2024	13 Mar 2023	---
Heures de la Machine		**6512**	6512	0	---
Heures de l'huile		**0**	0	0	---
Huile changée		**Not Changd**	Not Changd	N/A	---
Statut de l'echant.		**ABNORMAL**	NORMAL	ABNORMAL	---

État d'huile

Visc 40°C	cSt	**39.6**	39.9	43.0	---
Visc 100°C	cSt	**---**	---	7.4	---
Indice de viscosité (VI)	Scale	**---**	---	137	---

Contamination

Eau	%	**NEG**	NEG	NEG	---
Particules >4µ		**9002**	6456	96755	---
Particules >6µ		**2634**	1398	12267	---
Particules >14µ		**159**	46	40	---
ISO 4406:1999 (c)		**20/19/14**	20/18/13	24/21/12	---
Silicium	ppm	**0**	<1	2	---
Sodium	ppm	**<1**	<1	2	---
Potassium	ppm	**<1**	<1	<1	---

Métaux d'usure

PQ		**1**	---	12	---
Fer	ppm	**55**	44	82	---
Cuivre	ppm	**3**	2	4	---
Plomb	ppm	**0**	0	<1	---
Étain	ppm	**0**	0	<1	---
Aluminium	ppm	**0**	<1	<1	---
Chrome	ppm	**<1**	<1	2	---
Molybdène	ppm	**0**	0	0	---
Nickel	ppm	**0**	0	0	---
Titane	ppm	**0**	0	0	---
Argent	ppm	**0**	0	0	---
Manganèse	ppm	**<1**	<1	1	---
Vanadium	ppm	**0**	0	<1	---

Additifs

Calcium	ppm	**271**	276	743	---
Magnésium	ppm	**2**	2	4	---
Zinc	ppm	**614**	625	407	---
Phosphore	ppm	**504**	522	445	---
Baryum	ppm	**0**	0	0	---
Bore	ppm	**<1**	<1	<1	---

Diagnostic

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.

Depot: LBADOL
Unique No: 5799576
Signed: Kevin Marson
Report Date: 17 Jun 2024

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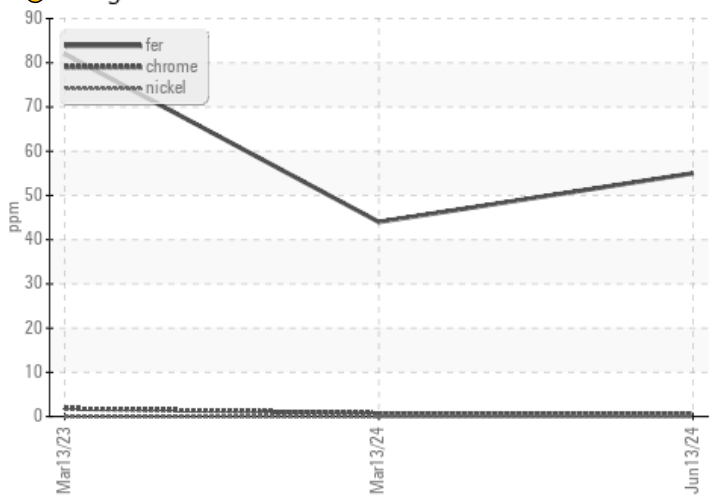
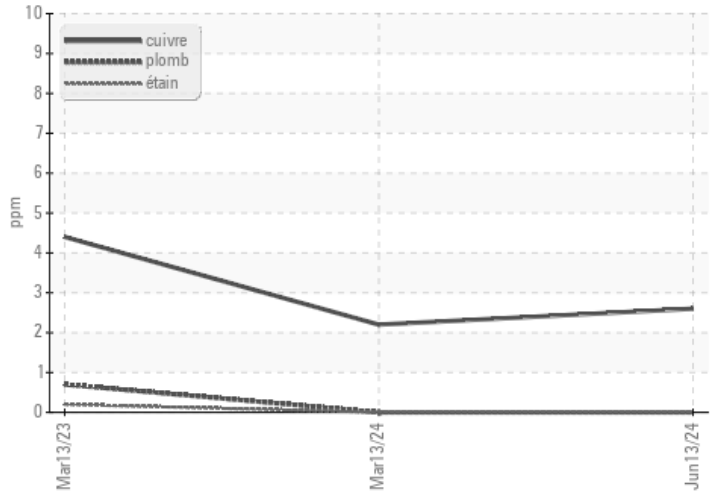
Graphs

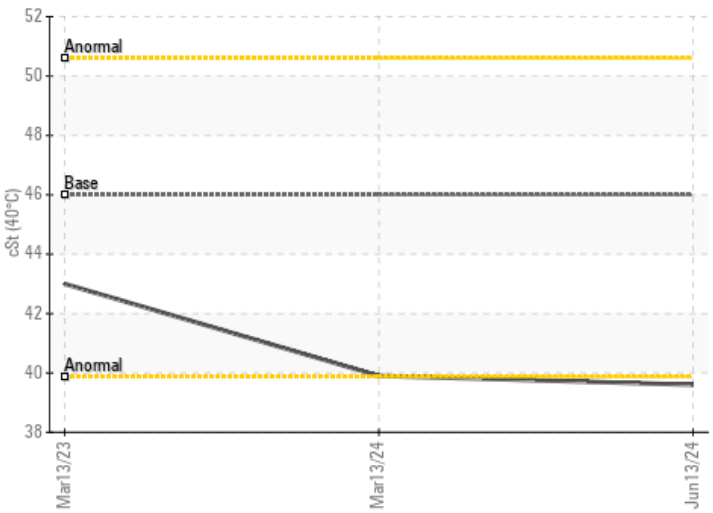
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules