

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 143328-1253 - Hydraulic System

Sample No: LH0248003

Oil Type: LIEBHERR HYDRAULIC HVI



Scierie Girard Inc.
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 Shipshaw, QC
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SAMPLE INFORMATION

Sample Number	LH0248003	LH0247979	LH0247967	---
Sample Date	19 Sep 2023	04 Mar 2023	27 Feb 2023	---
Machine Hours	4001	1918	1406	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	36.1	38.3	41.3	---
Acid Number (AN)	mg KOH/g	0.91	1.45	1.21	---



CONTAMINATION

Particles >4µm		2608	10472	2511	---
Particles >6µm		426	1160	536	---
Particles >14µm		12	32	100	---
ISO 4406:1999 (c)		19/16/11	21/17/12	19/16/14	---
Silicon	ppm	4	2	3	---
Sodium	ppm	2	1	2	---
Potassium	ppm	2	0	<1	---



WEAR METALS

Iron	ppm	26	26	28	---
Copper	ppm	6	3	3	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	3	1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	956	1116	1337	---
Magnesium	ppm	5	5	4	---
Zinc	ppm	609	637	677	---
Phosphorus	ppm	511	608	654	---
Barium	ppm	0	0	0	---
Boron	ppm	1	<1	<1	---

Diagnosis

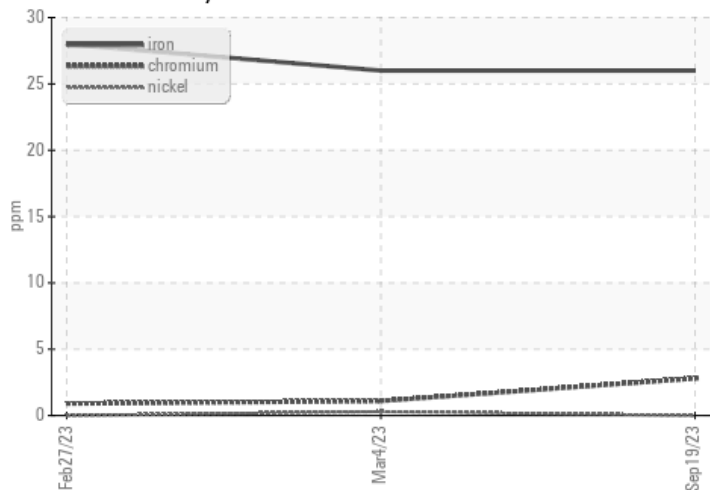
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. La viscosité de l'échantillon se situe dans la portée de l'SAE 10W; nous vous conseillons de vérifier. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Depot: SCISHI
 Unique No: 5646020
 Signed: Bill Quesnel
 Report Date: 26 Sep 2023

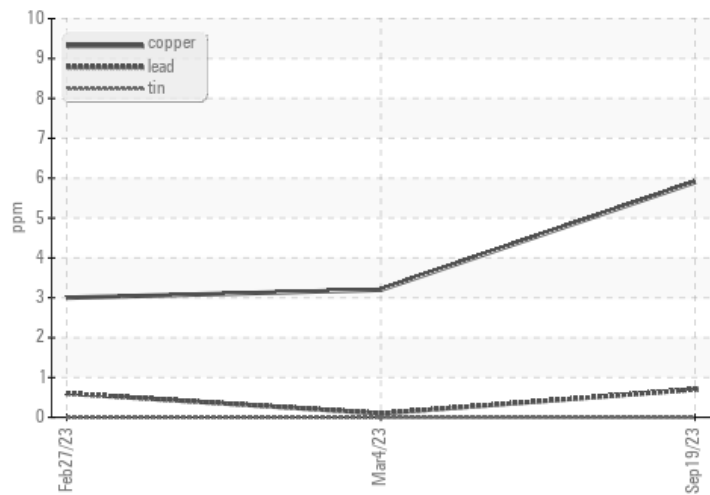


GRAPHS

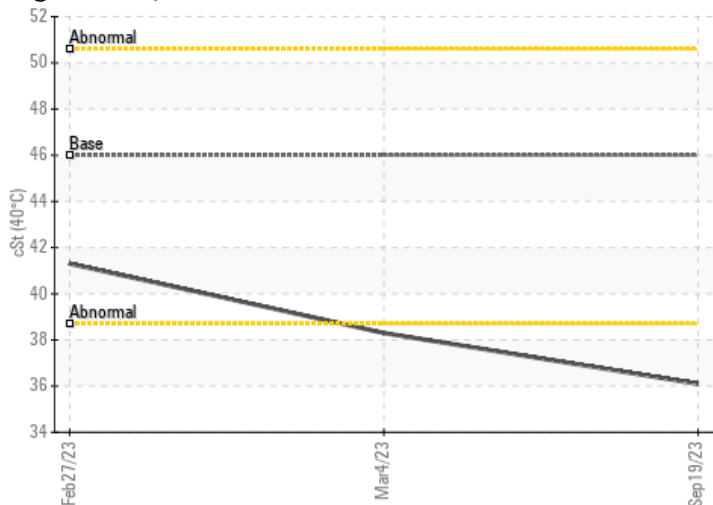
Ferrous Alloys



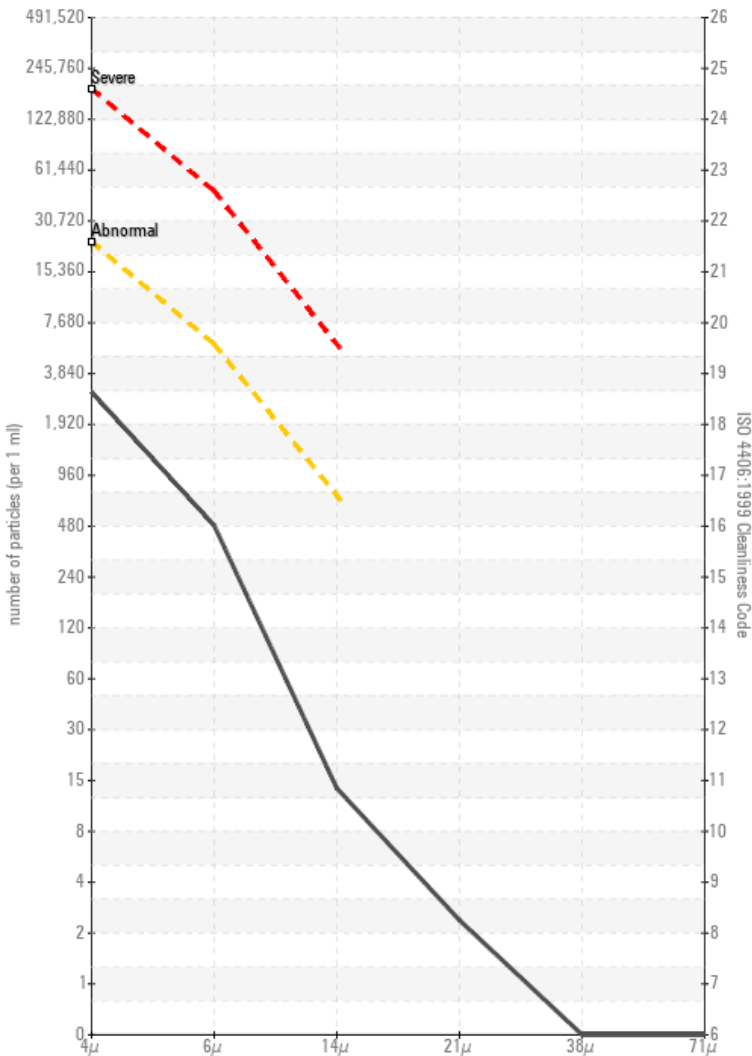
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

