

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 142911-1216 - Hydraulic System

Sample No: LH0246031

Oil Type: MOBIL UNIVIS N-C 32



Scierie Landrienne

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SAMPLE INFORMATION

Sample Number	LH0246031	LH0246007	---	---
Sample Date	03 Nov 2023	09 Jun 2023	---	---
Machine Hours	4990	3030	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	33.6	36.8	---	---
Acid Number (AN)	mg KOH/g	0.63	0.93	---	---



CONTAMINATION

Particles >4µm		1611	28269	---	---
Particles >6µm		212	5456	---	---
Particles >14µm		23	184	---	---
ISO 4406:1999 (c)		18/15/12	22/20/15	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	0	<1	---	---



WEAR METALS

PQ		5	---	---	---
Iron	ppm	50	23	---	---
Copper	ppm	3	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	455	859	---	---
Magnesium	ppm	2	3	---	---
Zinc	ppm	510	586	---	---
Phosphorus	ppm	423	568	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	<1	0	---	---

Diagnosis

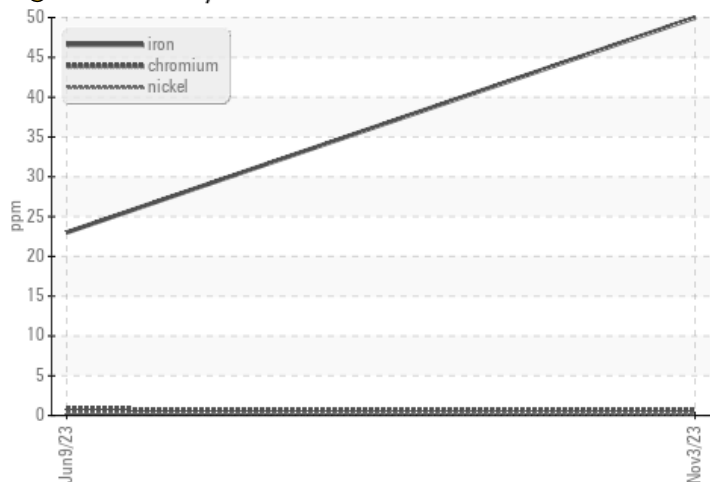
Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Nous avons noté une forte hausse du niveau de fer. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Le AN est acceptable pour ce fluide. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Depot: SCILAN
Unique No: 5681952
Signed: Kevin Marson
Report Date: 17 Nov 2023

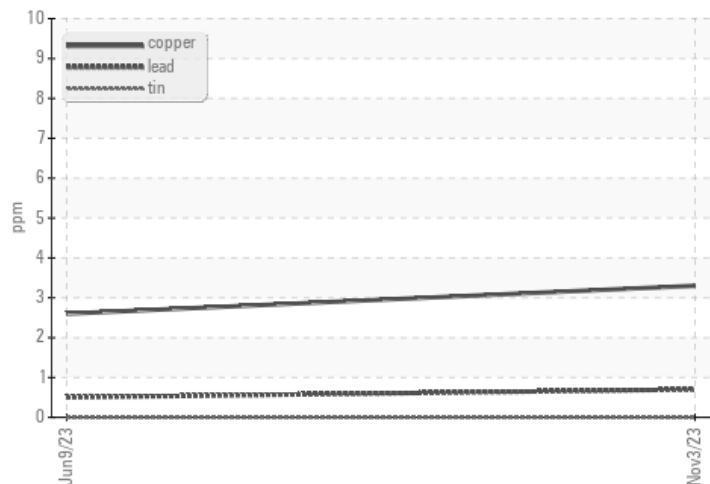


GRAPHS

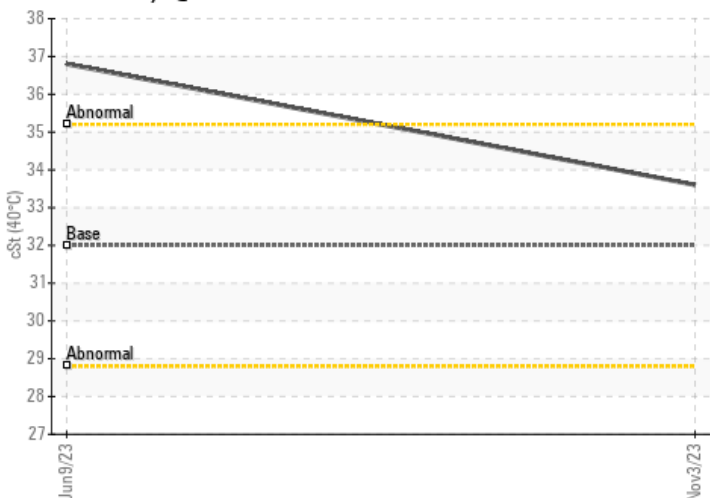
● Ferrous Alloys



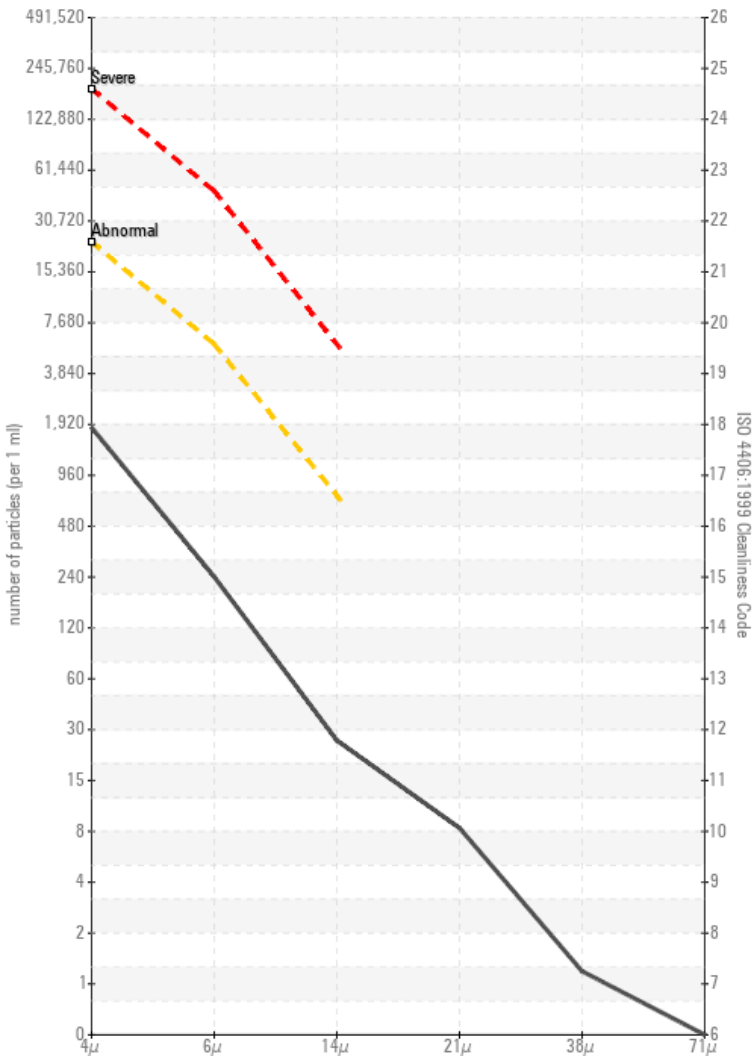
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

