

LIEBHERR

CONSTRUCTION EQUIPMENT



[(342783)] LIEBHERR LH50M 128861-1216 - Hydraulic System

Sample No: LH0195969

Oil Type: IRVING HYDRAULIC OIL ISO 32



BeCar Inc.
1053 boul Ducharme
La Tuque, QC
CA G9X 3C3
Contact: Shain Filion
shain.filion@remabec.com
T: (819)523-5664
F:



SAMPLE INFORMATION

Sample Number	LH0195969	LH0195945	LH0228168	LH0228120
Sample Date	17 Oct 2023	01 Aug 2023	31 Jul 2023	17 May 2023
Machine Hours	5927	5260	10323	9551
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	45.1	44.4	45.9	41.8
Acid Number (AN)	mg KOH/g	0.92	0.91	0.52	---



CONTAMINATION

Particles >4µm		13465	16626	1469	55472
Particles >6µm		4985	4863	419	21068
Particles >14µm		293	205	27	1448
ISO 4406:1999 (c)		21/19/15	21/19/15	18/16/12	23/22/18
Silicon	ppm	2	2	2	2
Sodium	ppm	2	1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

PQ		---	---	2	1
Iron	ppm	17	16	54	59
Copper	ppm	4	3	3	3
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	622	640	224	213
Magnesium	ppm	2	2	1	2
Zinc	ppm	556	551	469	449
Phosphorus	ppm	458	485	395	405
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

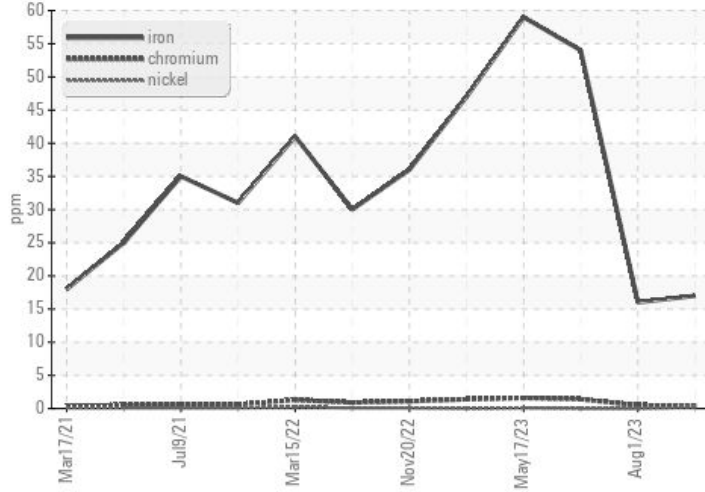
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. La viscosité 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: BECLAT
Unique No: 5659154
Signed: Kevin Marson
Report Date: 19 Oct 2023

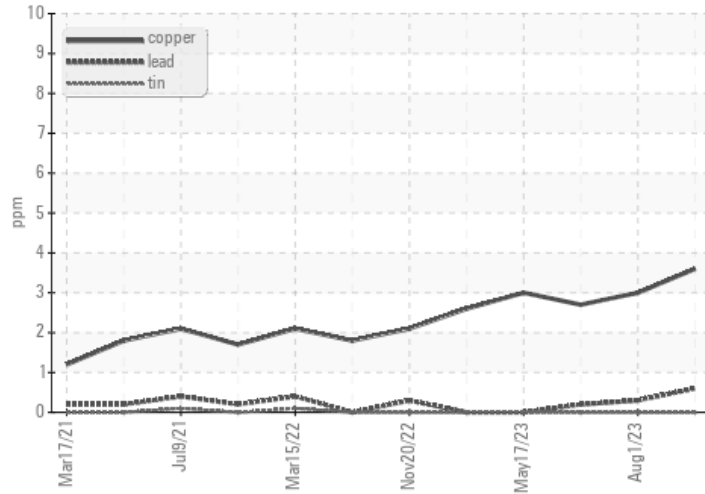


GRAPHS

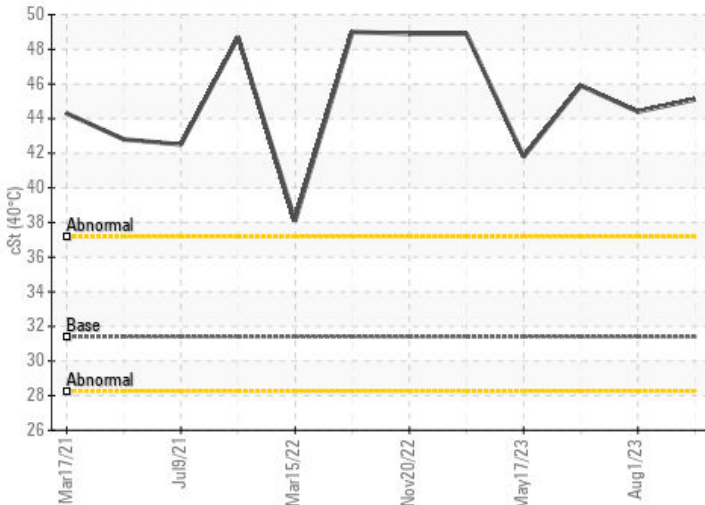
Ferrous Alloys



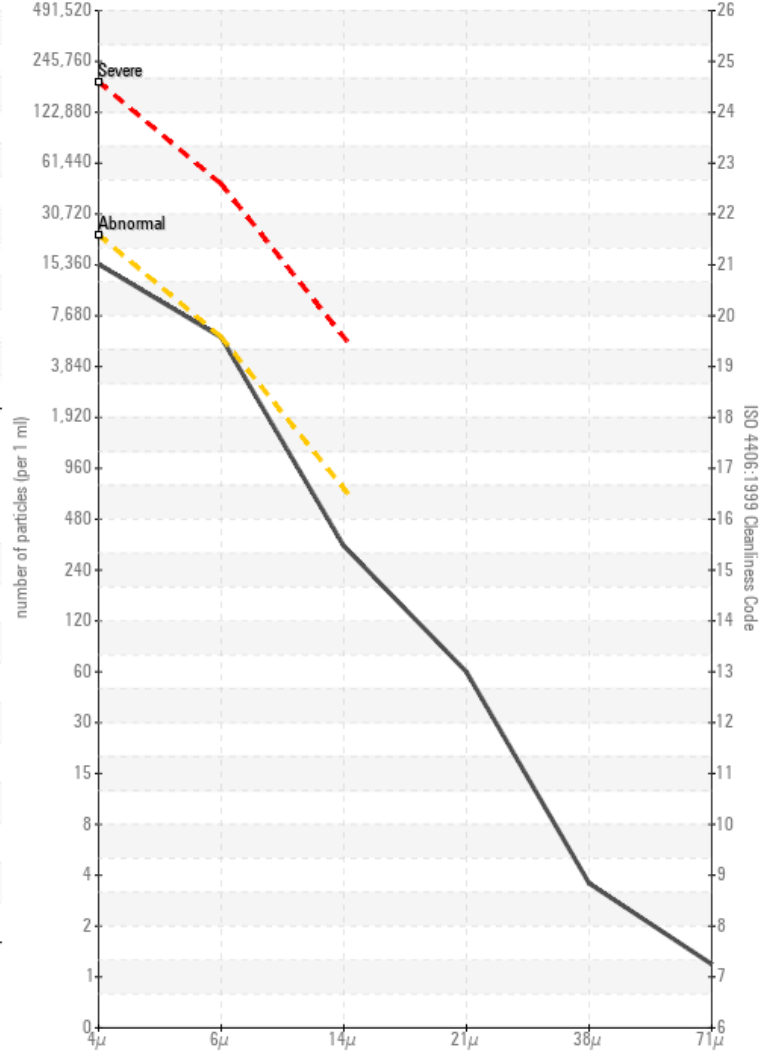
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

