

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340289)] LIEBHERR LH60 103211-1475 - Hydraulic System

Sample No: LH0271442
Oil Type: NOT GIVEN



CBR LESER INC.
340 ROUTE 116 OUEST
PLESSISVILLE, QC
CA G6L 2Y2
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0271442	LH0265400	WC0796545	LH0250790
Sample Date	18 Sep 2023	15 Jun 2023	04 Jun 2023	10 Feb 2023
Machine Hours	6567	5882	2991	4694
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	● 43.4	● 41.6	● 67.9	● 41.7
Visc @ 100°C	cSt	---	---	● 10.5	---
Viscosity Index (VI)	Scale	---	---	● 142	---



CONTAMINATION

Particles >4µm		● 5002	● 1753	---	● 10022
Particles >6µm		● 1208	● 476	---	● 3190
Particles >14µm		● 47	● 27	---	● 201
ISO 4406:1999 (c)		20/17/13	18/16/12	---	21/19/15
Silicon	ppm	● 1	● 2	● 6	● 2
Sodium	ppm	● 1	● 2	● 4	● 2
Potassium	ppm	● 13	● 1	● 8	● <1



WEAR METALS

Iron	ppm	● 5	● 11	● 55	● 10
Copper	ppm	● 4	● 6	● 2	● 5
Lead	ppm	● <1	● <1	● 10	● 1
Tin	ppm	● 0	● 0	● 1	● 0
Aluminum	ppm	● <1	● <1	● 4	● <1
Chromium	ppm	● 0	● <1	● 3	● <1
Molybdenum	ppm	● 3	● 2	● 2	● 1
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● <1	● 0	● <1	● 0
Manganese	ppm	● 0	● <1	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 412	● 764	● 1190	● 863
Magnesium	ppm	● 51	● 33	● 643	● 17
Zinc	ppm	● 842	● 756	● 714	● 738
Phosphorus	ppm	● 665	● 651	● 650	● 653
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 5	● 4	● 24	● 4

T:
F:

Diagnosis

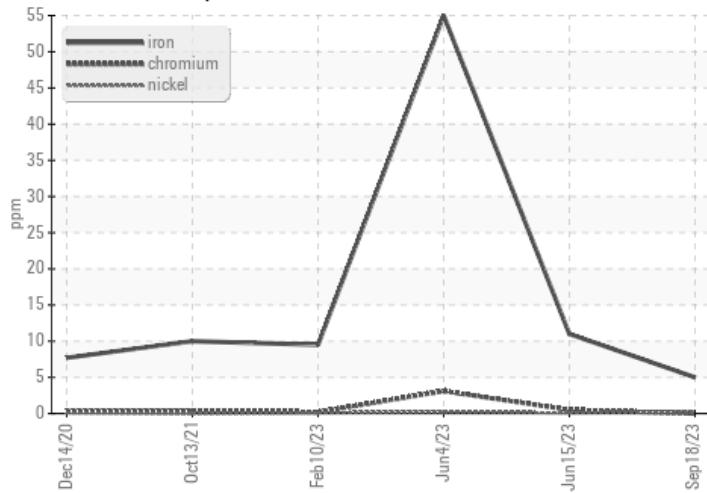
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.

Depot: CBRPLE
Unique No: 5646027
Signed: Wes Davis
Report Date: 26 Sep 2023

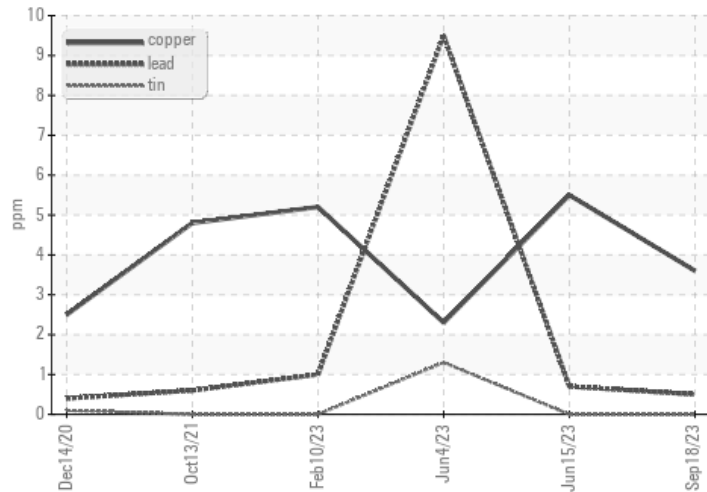


GRAPHS

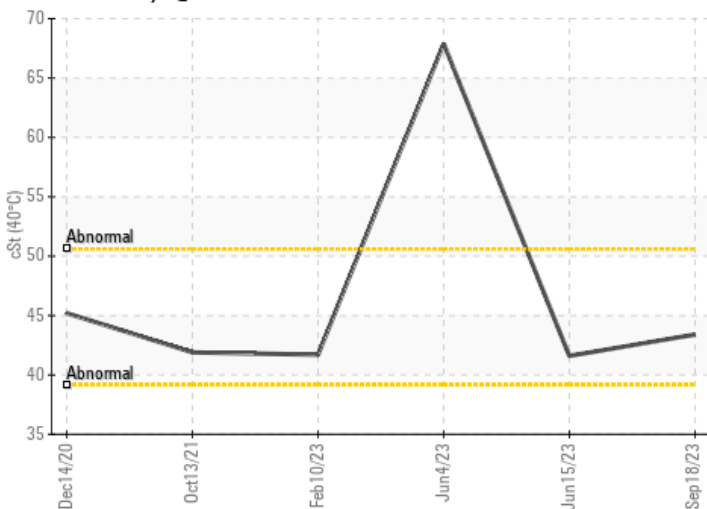
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

