

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 014567-432 - Hydraulic System

Sample No: LH
Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	LH0238987	LH	LH0063524
Sample Date	22 Jun 2023	15 Aug 2022	09 Jul 2021	19 Jul 2012
Machine Hours	0	5113	0	4004
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	N/A	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

MONTONI
4115 AUTOROUTE DES LAURENTIDES
LAVAL, QC
CA H7L 5W5
Contact: SERVICE



OIL CONDITION

Visc @ 40°C	cSt	42.5	41.5	39.8	33.3
-------------	-----	------	------	------	------

T:
F:



CONTAMINATION

Particles >4µm		28676	1977	2556	2019
Particles >6µm		3826	84	291	362
Particles >14µm		25	6	15	26
ISO 4406:1999 (c)		22/19/12	18/14/10	19/15/11	18/16/12
Silicon	ppm	6	5	6	4
Sodium	ppm	2	3	2	6
Potassium	ppm	1	<1	1	0

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. 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. Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

PQ		---	---	0	---
Iron	ppm	16	16	22	16
Copper	ppm	6	6	7	10
Lead	ppm	2	2	3	5
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	4	4	5	8
Molybdenum	ppm	2	2	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

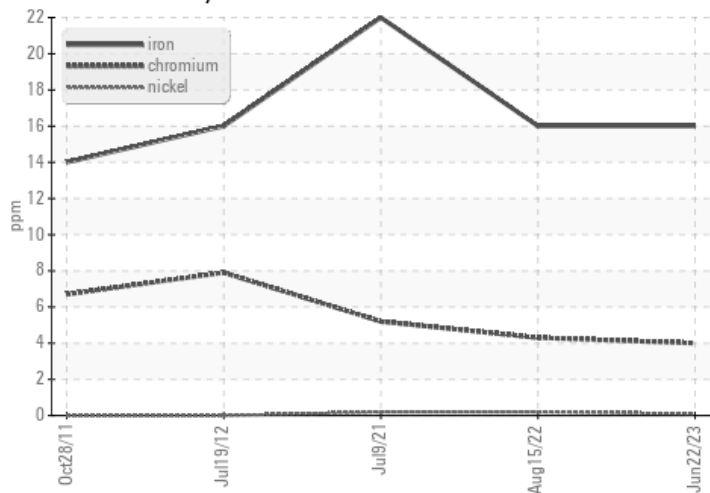
Calcium	ppm	359	499	622	1310
Magnesium	ppm	43	50	23	8
Zinc	ppm	550	573	539	748
Phosphorus	ppm	582	511	500	579
Barium	ppm	0	0	0	<1
Boron	ppm	4	6	3	1

Depot: MON411LAV
Unique No: 5604377
Signed: Wes Davis
Report Date: 30 Jun 2023

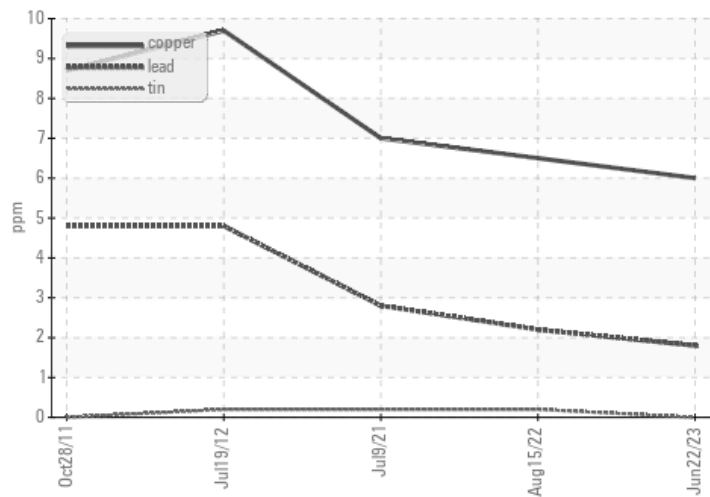


GRAPHS

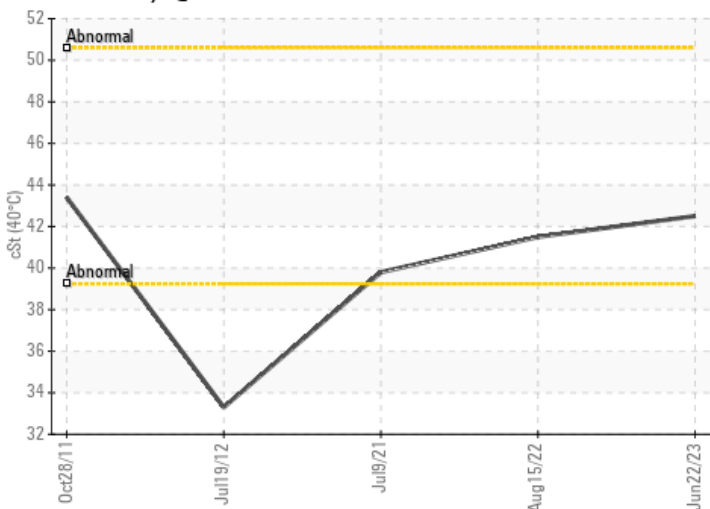
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

