

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 152152-1216 - Hydraulic System

Sample No: LH0277370

Oil Type: {unknown}



SCIERIE DION & FILS INC
 147 RUE ST-ALEXIS
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SAMPLE INFORMATION

Sample Number	LH0277370	LH0277268	LH0271473	LH0265475
Sample Date	17 Jan 2024	22 Nov 2023	11 Oct 2023	11 Sep 2023
Machine Hours	2579	1804	1021	630
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	40.0	41.4	45.8	44.7
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 1024	● 285	● 1822	● 2130
Particles >6µm		● 237	● 88	● 454	● 517
Particles >14µm		● 14	● 8	● 24	● 24
ISO 4406:1999 (c)		17/15/11	15/14/10	18/16/12	18/16/12
Silicon	ppm	● 2	● 2	● 2	● 2
Sodium	ppm	● <1	● 2	● 1	● 1
Potassium	ppm	● <1	● <1	● 2	● 1



WEAR METALS

Iron	ppm	● 10	● 9	● 11	● 10
Copper	ppm	● 2	● 2	● 3	● 2
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● <1	● 0	● 0	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	● 0	● 0	● 0	● <1
Silver	ppm	● 0	● <1	● <1	● 0
Manganese	ppm	● 0	● 0	● 0	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 1026	● 1059	● 1330	● 1388
Magnesium	ppm	● 6	● 6	● 8	● 9
Zinc	ppm	● 639	● 645	● 718	● 728
Phosphorus	ppm	● 548	● 546	● 619	● 696
Barium	ppm	● 0	● <1	● <1	● 0
Boron	ppm	● <1	● <1	● <1	● <1

Diagnosis

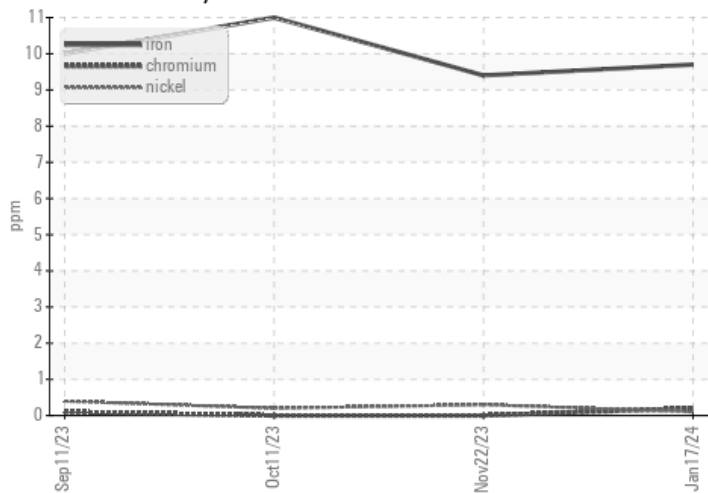
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour 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: SCISTR
 Unique No: 5721618
 Signed: Wes Davis
 Report Date: 01 Feb 2024

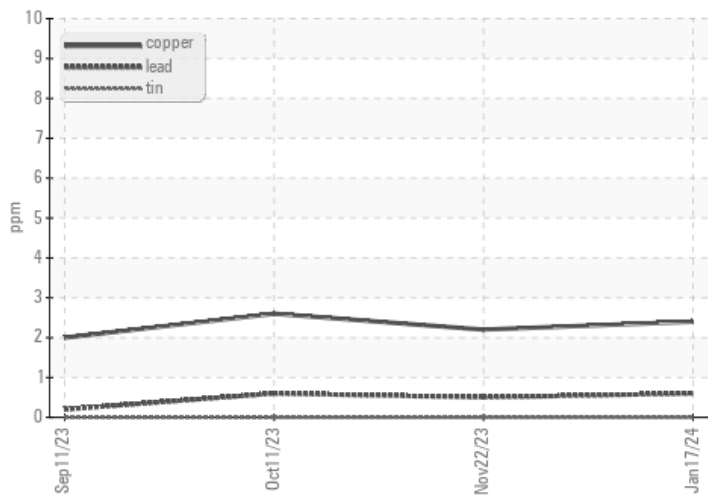


GRAPHS

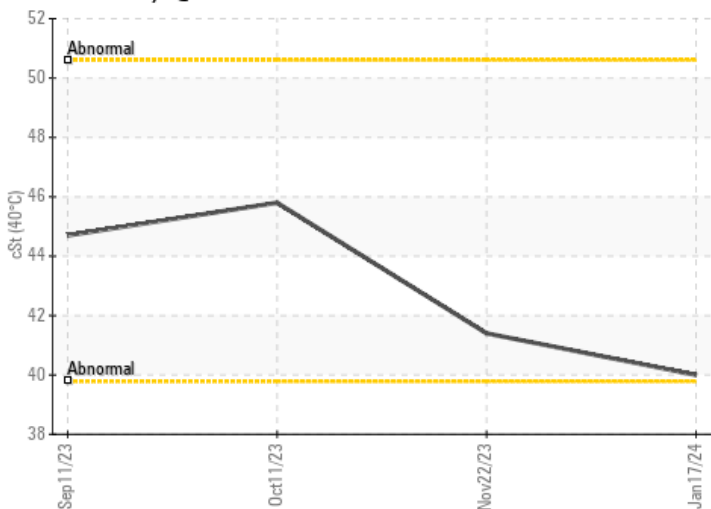
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

