

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 041000-1168 - Hydraulic System

Sample No: LH

Oil Type: IRVING HYDRAULIC OIL LP 46



SAMPLE INFORMATION

Sample Number	LH	LH0251019	LH0155159	LH0151592
Sample Date	26 Oct 2023	23 Feb 2023	22 Apr 2020	13 Dec 2019
Machine Hours	14600	12610	4998	4065
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.2	37.0	35.4	31.1



CONTAMINATION

Particles >4µm		5291	9354	26357	18721
Particles >6µm		1291	1916	6073	217
Particles >14µm		83	139	636	9
ISO 4406:1999 (c)		20/17/14	20/18/14	22/20/16	21/15/10
Silicon	ppm	<1	<1	<1	2
Sodium	ppm	0	<1	0	1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	4	4	5	13
Copper	ppm	2	2	2	<1
Lead	ppm	1	0	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	4
Chromium	ppm	0	<1	1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	152	151	155	123
Magnesium	ppm	3	<1	2	2
Zinc	ppm	427	384	467	47
Phosphorus	ppm	353	356	374	230
Barium	ppm	<1	0	<1	0
Boron	ppm	<1	<1	<1	96

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. L'état de l'huile est acceptable pour la durée de service.

Depot: CHALAN

Unique No: 5670373

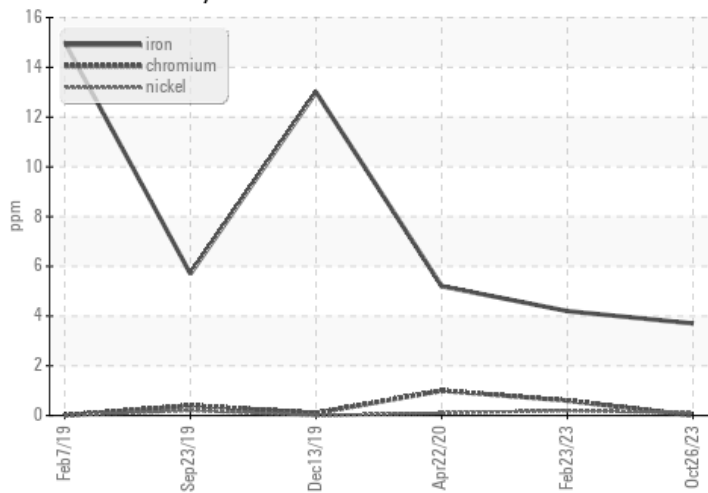
Signed: Wes Davis

Report Date: 02 Nov 2023

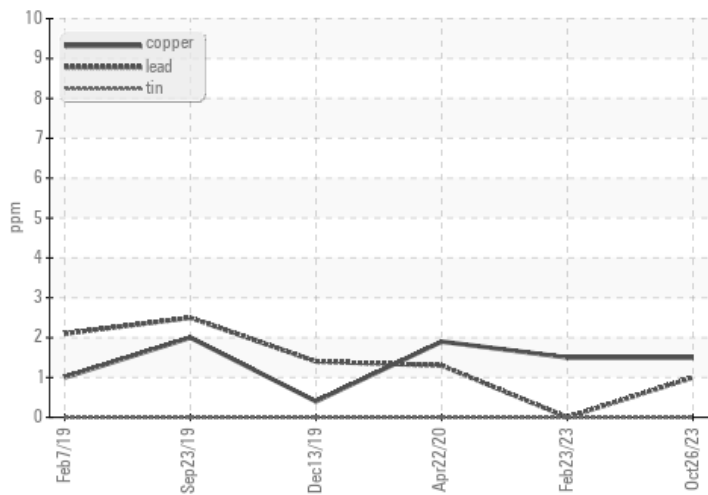


GRAPHS

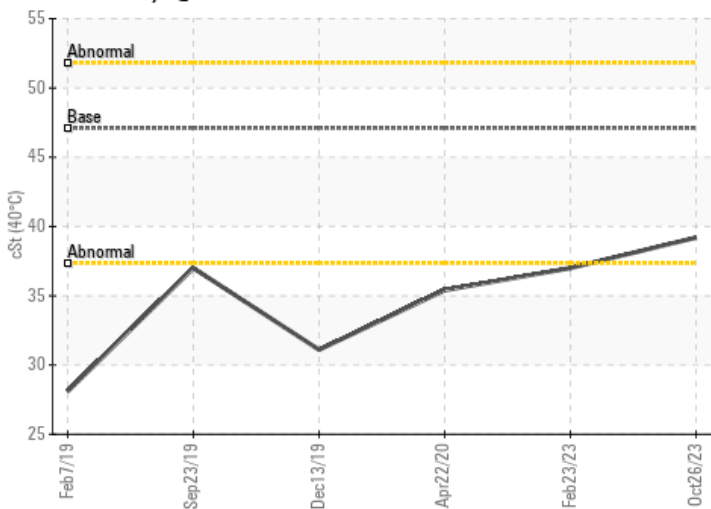
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

