

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 041000-1168 - Hydraulic System

Sample No: LH

Oil Type: IRVING HYDRAULIC OIL LP 46



SAMPLE INFORMATION

Sample Number	LH	LH	LH0251019	LH0155159
Sample Date	06 Feb 2024	26 Oct 2023	23 Feb 2023	22 Apr 2020
Machine Hours	15220	14600	12610	4998
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

Charette Excavation Inc.
 175 rue Alexandre
 Thurso, QC
 CA J0X 3B0
 Contact: Christian Letourneau
 christianletourneau@hotmail.com
 T: (819)278-5242
 F: (819)985-0308



OIL CONDITION

Visc @ 40°C	cSt	38.3	39.2	37.0	35.4
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 5458	● 5291	● 9354	● 26357
Particles >6µm		● 611	● 1291	● 1916	● 6073
Particles >14µm		● 79	● 83	● 139	● 636
ISO 4406:1999 (c)		20/16/13	20/17/14	20/18/14	22/20/16
Silicon	ppm	● <1	● <1	● <1	● <1
Sodium	ppm	● <1	● 0	● <1	● 0
Potassium	ppm	● <1	● 0	● <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. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

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



ADDITIVES

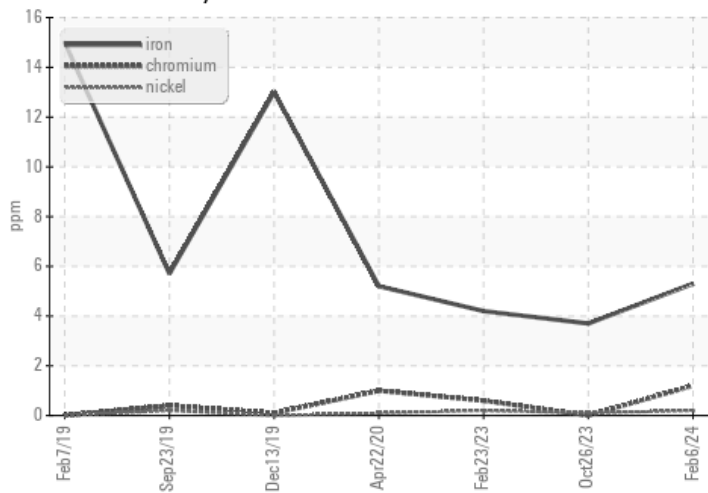
Calcium	ppm	● 144	● 152	● 151	● 155
Magnesium	ppm	● 4	● 3	● <1	● 2
Zinc	ppm	● 437	● 427	● 384	● 467
Phosphorus	ppm	● 351	● 353	● 356	● 374
Barium	ppm	● 0	● <1	● 0	● <1
Boron	ppm	● 1	● <1	● <1	● <1

Depot: CHALAN
 Unique No: 5723741
 Signed: Wes Davis
 Report Date: 12 Feb 2024

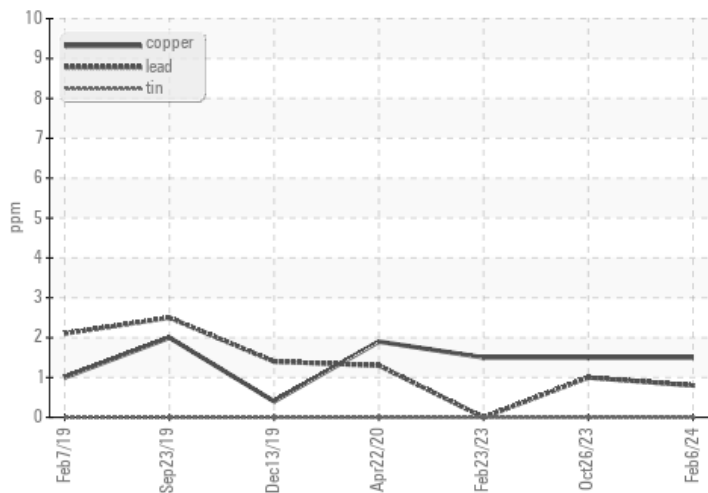


GRAPHS

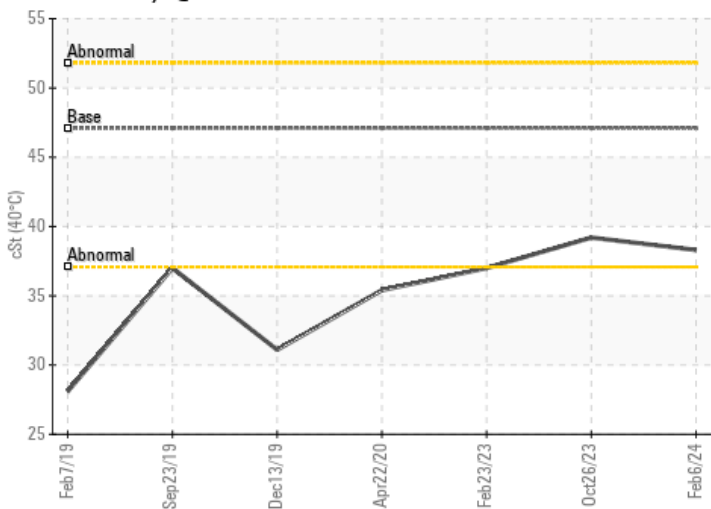
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

