

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 124712-1216 - Hydraulic System

Sample No: LH0271427

Oil Type: AW HYDRAULIC OIL ISO 32



SAMPLE INFORMATION

Sample Number	LH0271427	LH0265501	LH0256309	LH0243035
Sample Date	24 Jul 2023	07 Jun 2023	17 Apr 2023	09 Dec 2022
Machine Hours	10587	10063	0	8175
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCIERIE DION & FILS INC

147 RUE ST-ALEXIS
ST.RAYMOND, QC
CA G3L 1S1
Contact: Marc Lamarre
mlamarre@scieriedion.com
T: (418)337-2265
F: (418)337-4142



OIL CONDITION

Visc @ 40°C	cSt	38.1	34.1	34.8	35.3
Visc @ 100°C	cSt	---	6.3	---	---
Viscosity Index (VI)	Scale	---	137	---	---



CONTAMINATION

Particles >4µm		9169	895	8813	5542
Particles >6µm		3578	335	2831	1521
Particles >14µm		363	45	340	98
ISO 4406:1999 (c)		20/19/16	17/16/13	20/19/16	20/18/14
Silicon	ppm	1	2	2	2
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	<1	2	<1	0



WEAR METALS

Iron	ppm	15	27	26	31
Copper	ppm	2	3	3	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	1	1	1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	133	182	223	203
Magnesium	ppm	2	3	3	3
Zinc	ppm	652	535	538	571
Phosphorus	ppm	556	457	478	499
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	0

Diagnosis

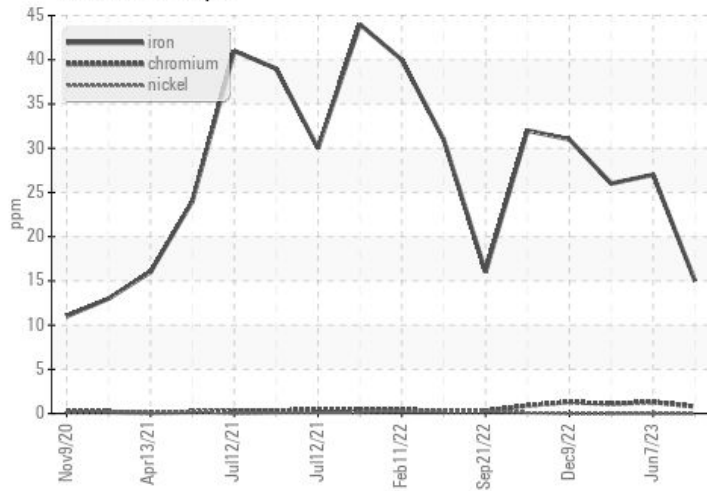
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. La viscosité de l'huile est plus élevée que la normale. L'état de l'huile est acceptable pour la durée de service.

Depot: SCISTR
Unique No: 5618014
Signed: Kevin Marson
Report Date: 31 Jul 2023

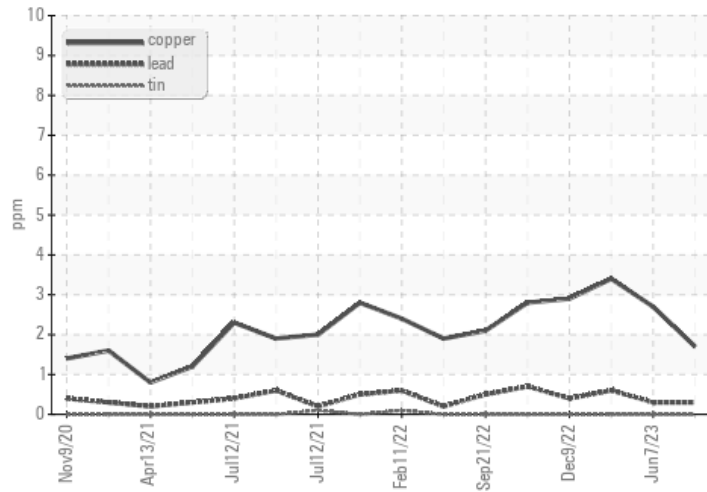


GRAPHS

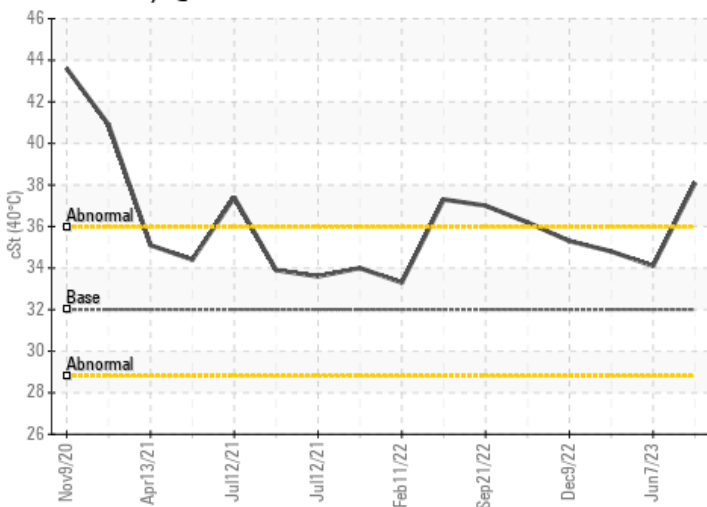
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

