

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 124712-1216 - Hydraulic System

Sample No: LH0277340

Oil Type: AW HYDRAULIC OIL ISO 32



SCIERIE DION & FILS INC
 147 RUE ST-ALEXIS
 ST.RAYMOND, QC
 CA G3L 1S1
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SAMPLE INFORMATION

Sample Number	LH0277340	LH0271427	LH0265501	LH0256309
Sample Date	17 Oct 2023	24 Jul 2023	07 Jun 2023	17 Apr 2023
Machine Hours	11300	10587	10063	0
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	37.2	38.1	34.1	34.8
Visc @ 100°C	cSt	---	---	6.3	---
Viscosity Index (VI)	Scale	---	---	137	---



CONTAMINATION

Particles >4µm		25481	9169	895	8813
Particles >6µm		11634	3578	335	2831
Particles >14µm		1057	363	45	340
ISO 4406:1999 (c)		22/21/17	20/19/16	17/16/13	20/19/16
Silicon	ppm	1	1	2	2
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	0	<1	2	<1



WEAR METALS

Iron	ppm	14	15	27	26
Copper	ppm	2	2	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	0	<1	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	126	133	182	223
Magnesium	ppm	2	2	3	3
Zinc	ppm	611	652	535	538
Phosphorus	ppm	484	556	457	478
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Les taux d'usure de tous les composants sont normaux. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. La viscosité de l'huile est plus élevée que la normale. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Depot: SCISTR
 Unique No: 5668869
 Signed: Kevin Marson
 Report Date: 26 Oct 2023

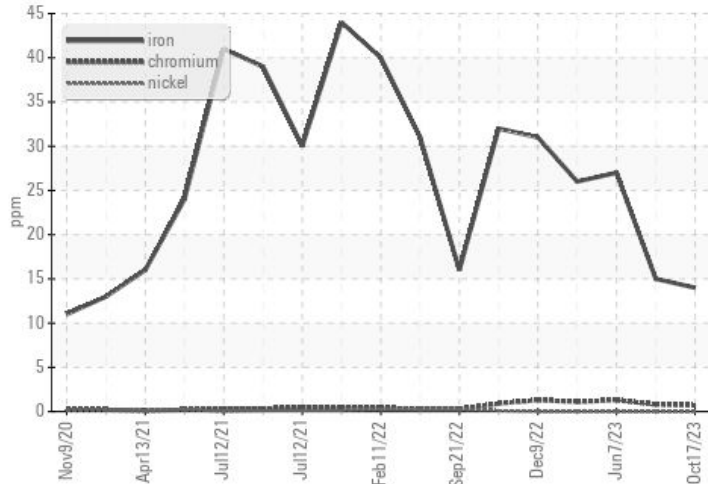
LIEBHERR

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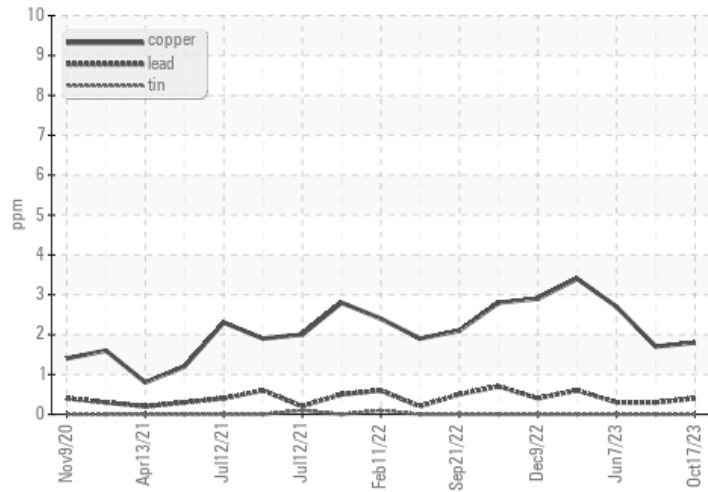


GRAPHS

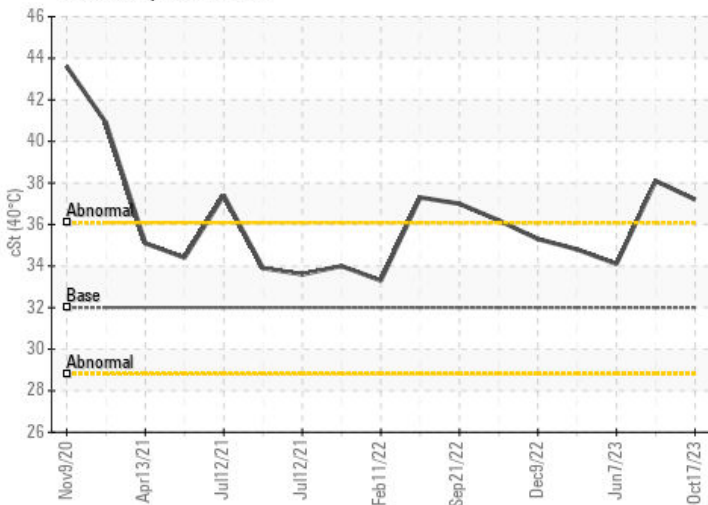
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

