

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R914 047778-1511 - Hydraulic System

Sample No: LH0260720

Oil Type: AW HYDRAULIC OIL ISO 46



L.A. HERBERT
 9700 PLACE JADE
 BROSSARD, QC
 CA J4Y 3C1
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0260720	LH0235298	---	---
Sample Date	12 Sep 2023	01 Nov 2022	---	---
Machine Hours	1794	988	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.5	● 44.1	---	---
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CONTAMINATION

Particles >4µm		● 71119	● 37615	---	---
Particles >6µm		● 19344	● 5307	---	---
Particles >14µm		● 1440	● 279	---	---
ISO 4406:1999 (c)		23/21/18	22/20/15	---	---
Silicon	ppm	● 6	● 5	---	---
Sodium	ppm	● 2	● 2	---	---
Potassium	ppm	● 1	● <1	---	---



WEAR METALS

Iron	ppm	● 14	● 11	---	---
Copper	ppm	● 7	● 5	---	---
Lead	ppm	● 1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● 1	● <1	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	809	928	---	---
Magnesium	ppm	● 9	8	---	---
Zinc	ppm	649	627	---	---
Phosphorus	ppm	560	626	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● 2	3	---	---

T:
F:

Diagnosis

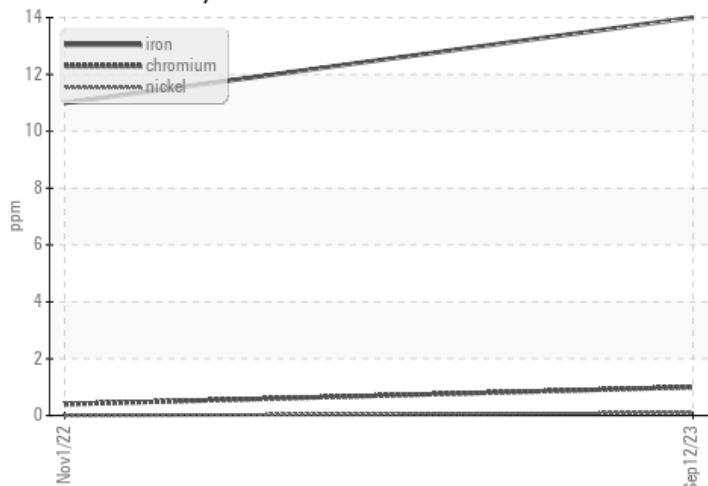
Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Les taux d'usure de tous les composants sont normaux. Il y a une quantité modérée de matières particulaires (2 à 100 µm de taille) présente dans l'huile. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Depot: LAH970BRO
Unique No: 5643929
Signed: Bill Quesnel
Report Date: 18 Sep 2023

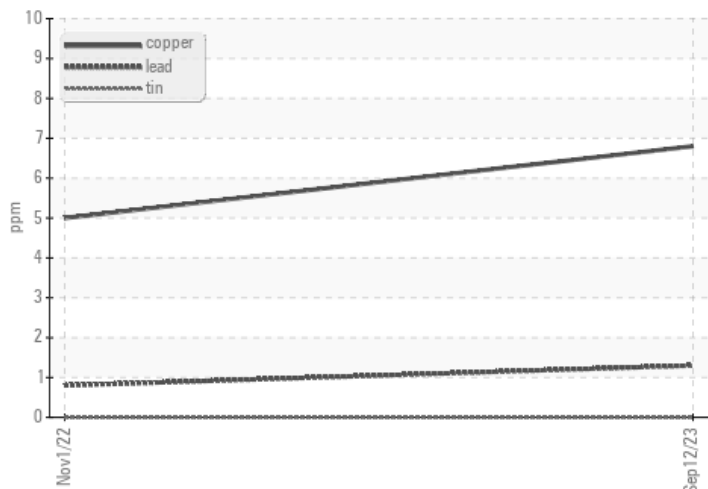


GRAPHS

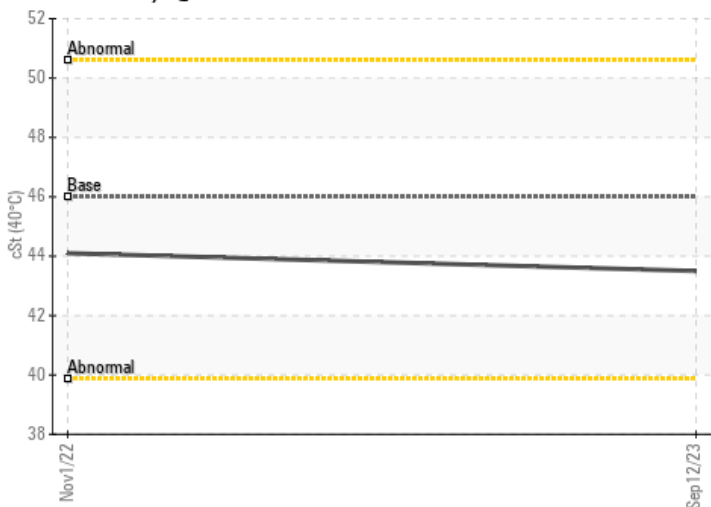
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

