

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R914 047778-1511 - Hydraulic System

Sample No: LH0260820

Oil Type: AW HYDRAULIC OIL ISO 46



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

T:
F:



SAMPLE INFORMATION

Sample Number	LH0260820	LH0260720	LH0235298	---
Sample Date	28 Dec 2023	12 Sep 2023	01 Nov 2022	---
Machine Hours	2195	1794	988	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ATTENTION	ABNORMAL	ATTENTION	---



OIL CONDITION

Visc @ 40°C	cSt	43.4	43.5	44.1	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		21718	71119	37615	---
Particles >6µm		2789	19344	5307	---
Particles >14µm		186	1440	279	---
ISO 4406:1999 (c)		22/19/15	23/21/18	22/20/15	---
Silicon	ppm	6	6	5	---
Sodium	ppm	2	2	2	---
Potassium	ppm	3	1	<1	---

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. 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. Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	19	14	11	---
Copper	ppm	7	7	5	---
Lead	ppm	1	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	1	<1	---
Chromium	ppm	1	1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

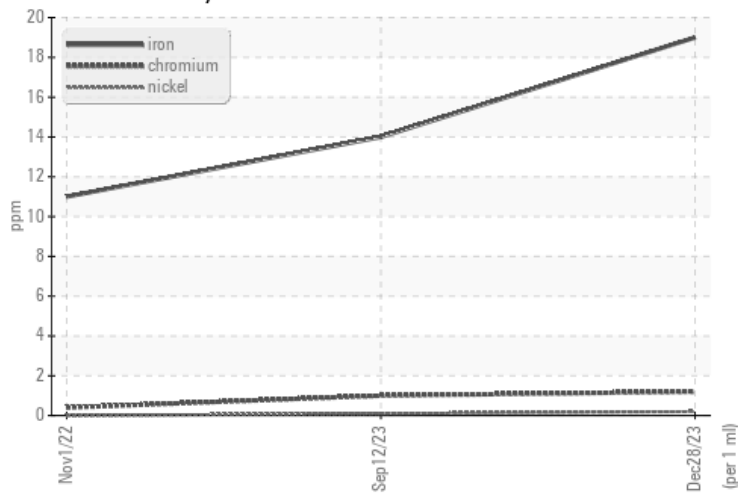
Calcium	ppm	834	809	928	---
Magnesium	ppm	9	9	8	---
Zinc	ppm	633	649	627	---
Phosphorus	ppm	530	560	626	---
Barium	ppm	0	0	0	---
Boron	ppm	2	2	3	---

Depot: LAH970BRO
Unique No: 5707147
Signed: Wes Davis
Report Date: 03 Jan 2024

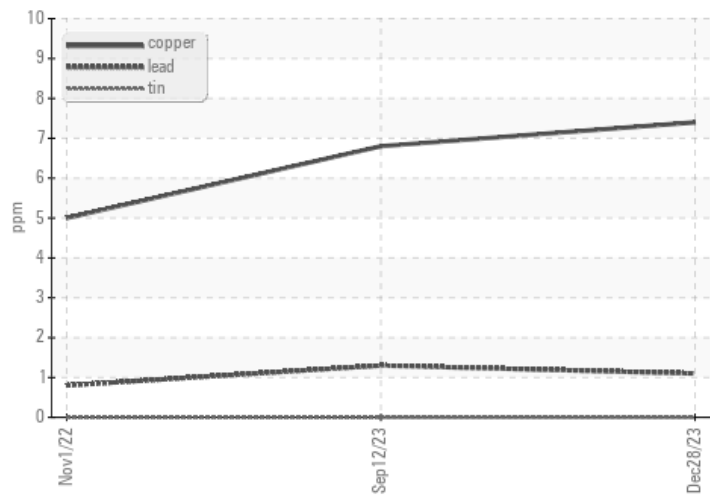


GRAPHS

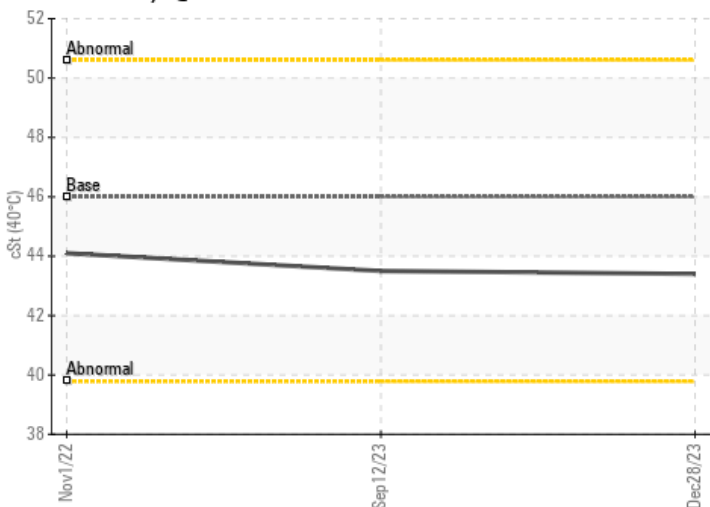
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

