

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 059378-1006 - Hydraulic System

Sample No: LH0279077

Oil Type: AW HYDRAULIC OIL ISO 46

COTEAU METAL

601 RUE LEGER
RIVIERE-BEAUDETTE, QC
CA J0R 1R0
Contact: SERVICE

T: (450)269-2000

F:

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. 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. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.



SAMPLE INFORMATION

Sample Number		LH0279077	LH0061387	---	---
Sample Date		25 Jan 2024	05 Feb 2013	---	---
Machine Hours		12226	0	---	---
Oil Hours		0	500	---	---
Oil Changed		Not Chngd	N/A	---	---
Sample Status		ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 41.8	● 41.7	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 55669	46964	---	---
Particles >6µm		● 3174	● 14095	---	---
Particles >14µm		● 172	● 1120	---	---
ISO 4406:1999 (c)		23/19/15	23/21/17	---	---
Silicon	ppm	● 4	● 2	---	---
Sodium	ppm	● 5	● 3	---	---
Potassium	ppm	● 1	● 0	---	---



WEAR METALS

Iron	ppm	● 8	● 12	---	---
Copper	ppm	● 4	● 2	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 18	<1	---	---
Nickel	ppm	● <1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

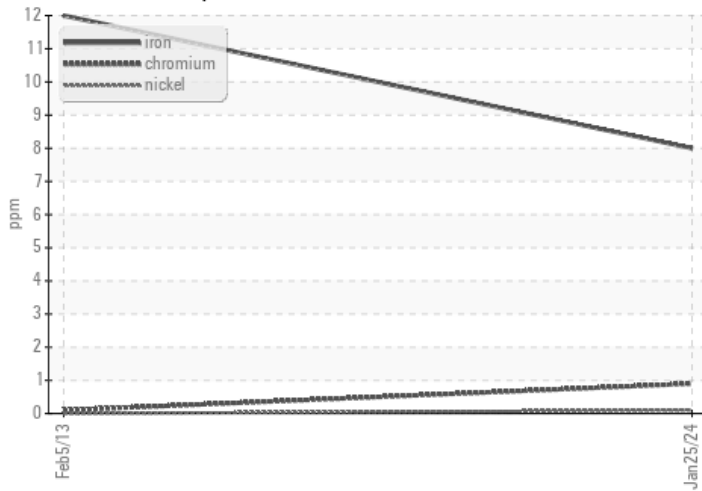
Calcium	ppm	● 739	1012	---	---
Magnesium	ppm	● 293	5	---	---
Zinc	ppm	● 802	630	---	---
Phosphorus	ppm	● 715	506	---	---
Barium	ppm	● 0	<1	---	---
Boron	ppm	● 31	<1	---	---

Depot: COTRIV
 Unique No: 5721273
 Signed: Bill Quesnel
 Report Date: 01 Feb 2024

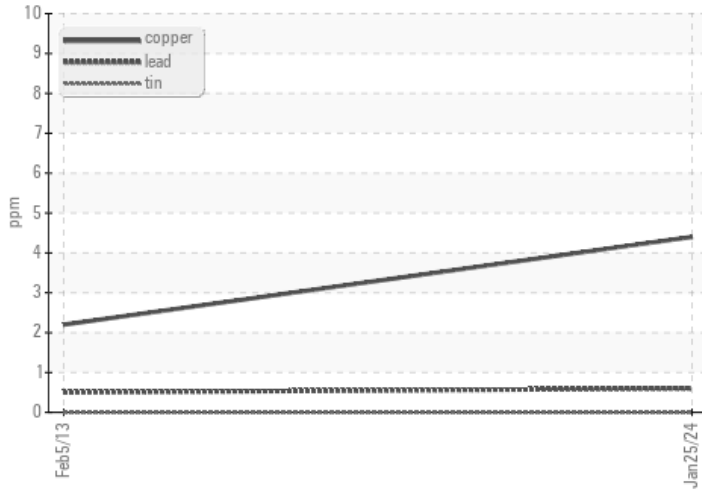


GRAPHS

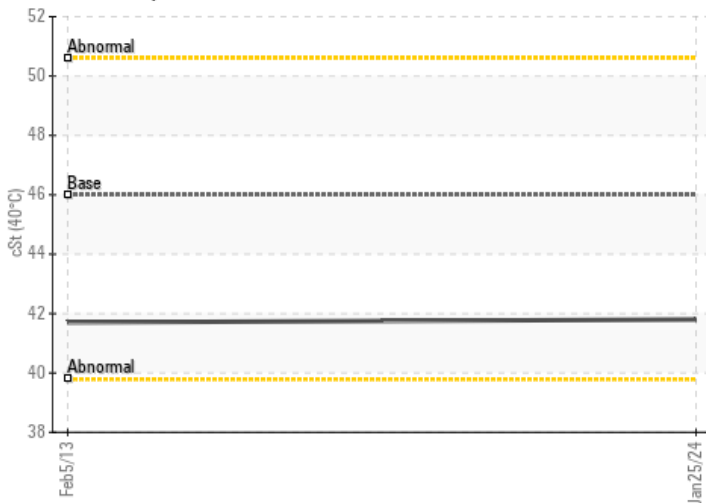
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

