

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 136874-1250 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

LA REGIE DES MATIERES RESIDUELLES DU LAC ST-JEAN
625 RUE BERGERON OUEST
ALMA, QC
CA G8B 1V3
Contact: Service Manager

T:
F:

Diagnosis

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Confirm the source of the lubricant being utilized for top-up/fill. 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	LH	LH0249964	---	---
Sample Date	05 Jan 2024	25 Jan 2023	---	---
Machine Hours	1000	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 45.6	● 45.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 71117	● 59642	---	---
Particles >6µm		● 9545	● 525	---	---
Particles >14µm		● 560	● 7	---	---
ISO 4406:1999 (c)		23/20/16	23/16/10	---	---
Silicon	ppm	● 6	● 4	---	---
Sodium	ppm	● 6	● 2	---	---
Potassium	ppm	● 4	● 2	---	---



WEAR METALS

Iron	ppm	● 29	● 22	---	---
Copper	ppm	● 10	● 5	---	---
Lead	ppm	● 2	● 1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● 2	● 1	---	---
Chromium	ppm	● 1	● <1	---	---
Molybdenum	ppm	● 0	0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

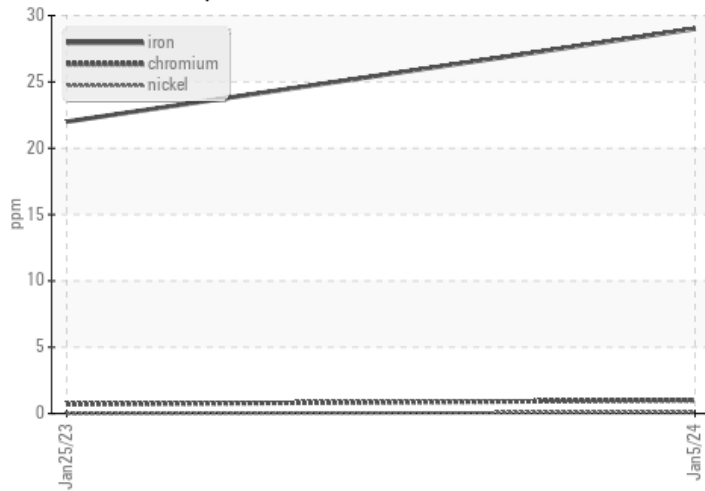
Calcium	ppm	1490	1451	---	---
Magnesium	ppm	● 8	6	---	---
Zinc	ppm	● 799	735	---	---
Phosphorus	ppm	● 691	683	---	---
Barium	ppm	● <1	<1	---	---
Boron	ppm	● 4	<1	---	---

Depot: LARALM
 Unique No: 5709663
 Signed: Kevin Marson
 Report Date: 15 Jan 2024

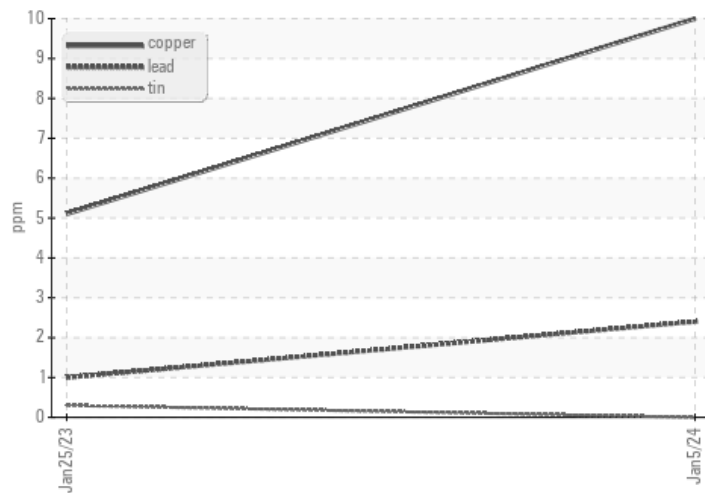


GRAPHS

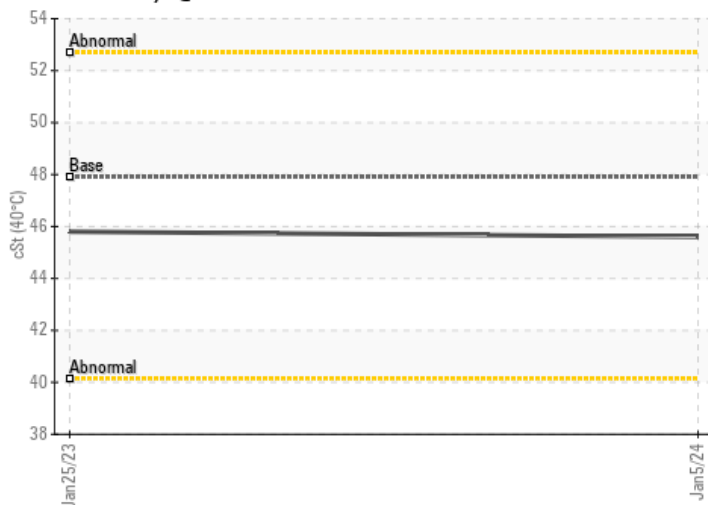
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

