

LIEBHERR

CONSTRUCTION EQUIPMENT



[(345481)] 128862-1216 - Hydraulic System

Sample No: LH0284345

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

American Iron and Metal

10171 AVE PELLETIER

MONTREAL-NORD, QC

CA H1H 3R2

Contact: Allen Singerman

T:

F:

Diagnosis

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. 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. Le taux de fer est anormal. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.



SAMPLE INFORMATION

Sample Number		LH0284345	LH	LH	LH0251203
Sample Date		06 Feb 2024	20 Oct 2023	17 Jul 2023	09 Feb 2023
Machine Hours		5027	2460	3940	3024
Oil Hours		0	0	0	0
Oil Changed		Not Changd	Not Changd	Not Changd	Not Changd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	● 43.1	● 43.5	● 43.4	● 44.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 2005	● 3796	● 920	● 41682
Particles >6µm		● 594	● 1103	● 250	● 164
Particles >14µm		● 43	● 60	● 15	● 11
ISO 4406:1999 (c)		18/16/13	19/17/13	17/15/11	23/15/11
Silicon	ppm	● 2	● 2	● 2	● 2
Sodium	ppm	● 2	● 2	● 2	● 2
Potassium	ppm	● <1	● <1	● <1	● <1



WEAR METALS

PQ		● 8	● 0	● 3	● 3
Iron	ppm	● 105	● 100	● 86	● 81
Copper	ppm	● 4	● 4	● 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	● 0	● <1	● 0
Nickel	ppm	● 0	● 0	● 0	● <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	● 1	● 1	● 2	● 2
Vanadium	ppm	0	0	0	<1



ADDITIVES

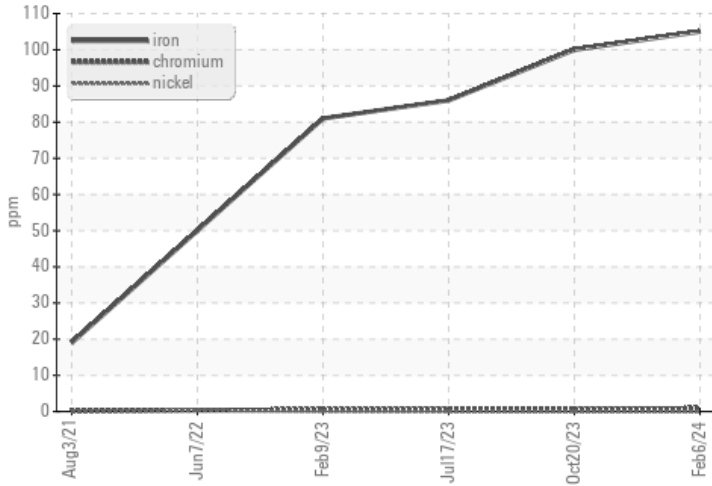
Calcium	ppm	966	975	947	1017
Magnesium	ppm	● 8	● 8	● 8	● 8
Zinc	ppm	● 617	● 622	● 620	● 605
Phosphorus	ppm	● 541	● 527	● 560	● 572
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	● <1	● 1	● <1	● 1

Depot: AIM101MON
 Unique No: 5724137
 Signed: Kevin Marson
 Report Date: 14 Feb 2024

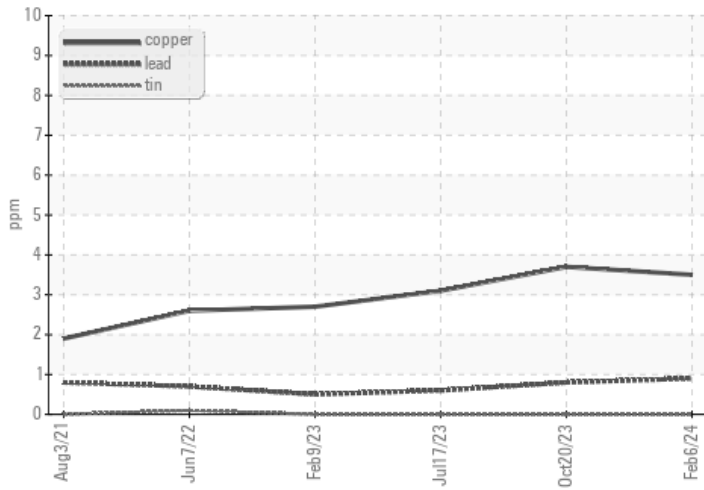


GRAPHS

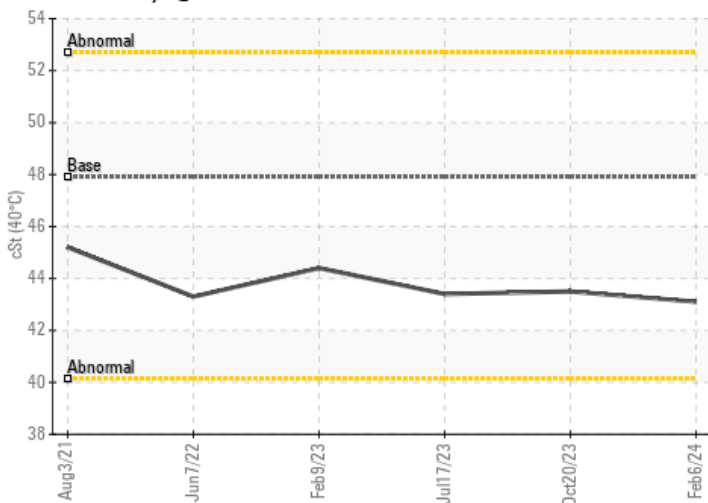
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

