

LIEBHERR

CONSTRUCTION EQUIPMENT



[(345481)] 128862-1216 - Hydraulic System

Sample No: LH0235629

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0235629	LH0203683	---	---
Sample Date	07 Jun 2022	03 Aug 2021	---	---
Machine Hours	1862	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

American Iron and Metal
 10171 AVE PELLETIER
 MONTREAL-NORD, QC
 CA H1H 3R2
 Contact: Allen Singerman



OIL CONDITION

Visc @ 40°C	cSt	43.3	45.2	---	---
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T:
F:



CONTAMINATION

Water	%	---	0.092	---	---
Particles >4µm		3056	30684	---	---
Particles >6µm		644	6365	---	---
Particles >14µm		45	201	---	---
ISO 4406:1999 (c)		19/17/13	22/20/15	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	2	1	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. 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'état de l'huile est acceptable pour la durée de service.



WEAR METALS

PQ		0	---	---	---
Iron	ppm	50	19	---	---
Copper	ppm	3	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

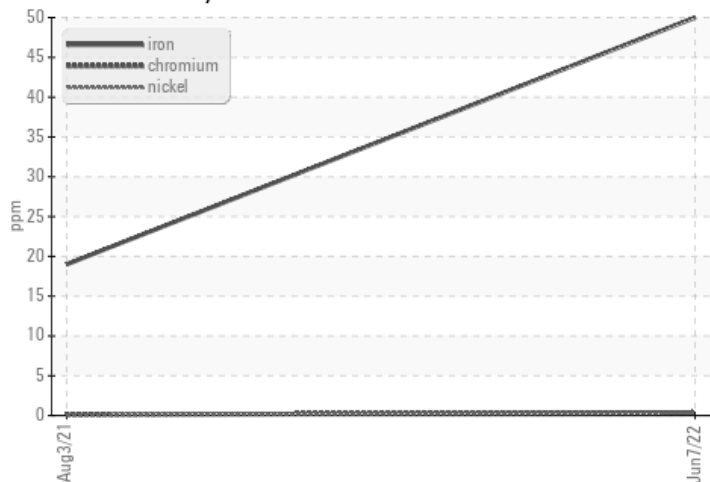
Calcium	ppm	1240	1349	---	---
Magnesium	ppm	4	5	---	---
Zinc	ppm	681	715	---	---
Phosphorus	ppm	629	665	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	<1	---	---

Depot: AIM101MON
Unique No: 5410721
Signed: Kevin Marson
Report Date: 10 Jun 2022

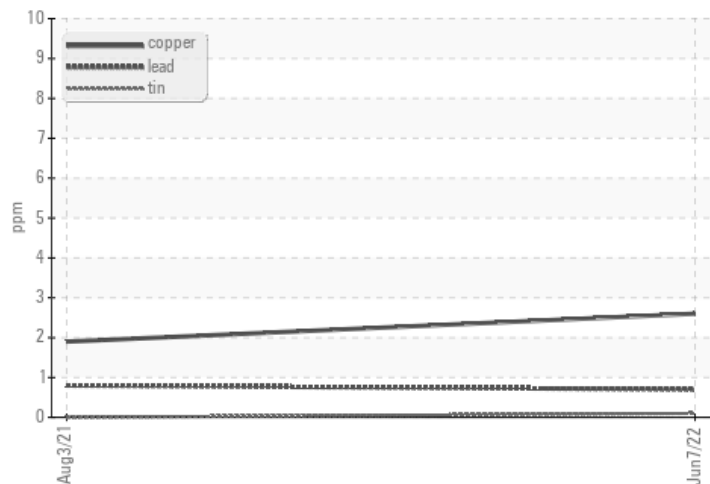


GRAPHS

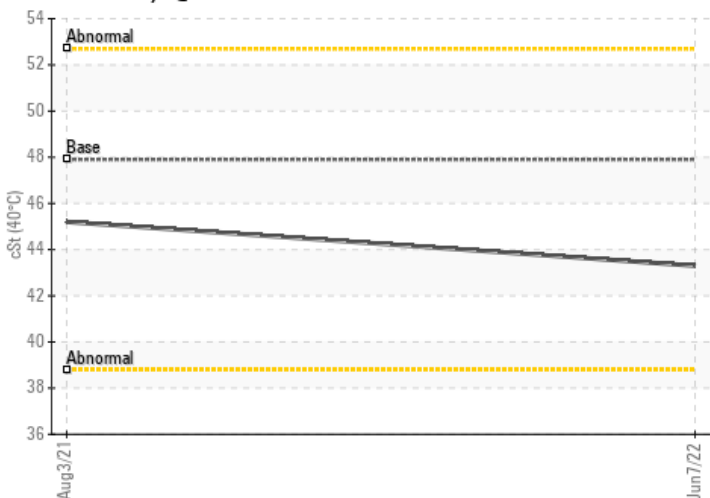
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

