

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R966 046262-1535 - Hydraulic System

Sample No: LH0261079

Oil Type: PETRO CANADA HYDREX AW 22



SAMPLE INFORMATION

Sample Number	LH0261079	LH0235281	---	---
Sample Date	29 Jun 2023	20 Jan 2023	---	---
Machine Hours	3444	3094	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ARCELORMITTAL LONG PRODUITS CANADA
3185 ROUTE MARIE-VICTORIN
CONTRECOEUR, QC
CA J0L 1C0
Contact: Danny Drouin
danny.drouin@arcelormittal.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	43.2	44.7	---	---
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CONTAMINATION

Particles >4µm		6881	8158	---	---
Particles >6µm		1755	437	---	---
Particles >14µm		116	10	---	---
ISO 4406:1999 (c)		20/18/14	20/16/10	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	14	11	---	---
Copper	ppm	2	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	3	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1658	1591	---	---
Magnesium	ppm	11	9	---	---
Zinc	ppm	846	811	---	---
Phosphorus	ppm	755	754	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	0	---	---

Diagnosis

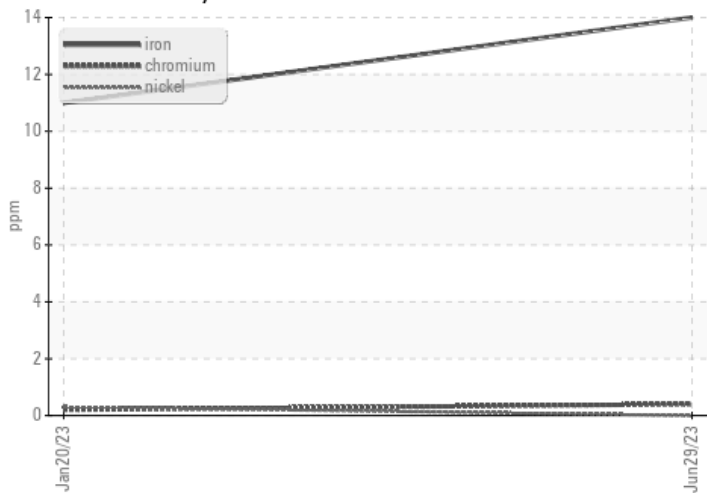
Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. La viscosité de l'échantillon se situe dans la portée de l'SAE 75W80; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Depot: MITCON
Unique No: 5605059
Signed: Kevin Marson
Report Date: 06 Jul 2023

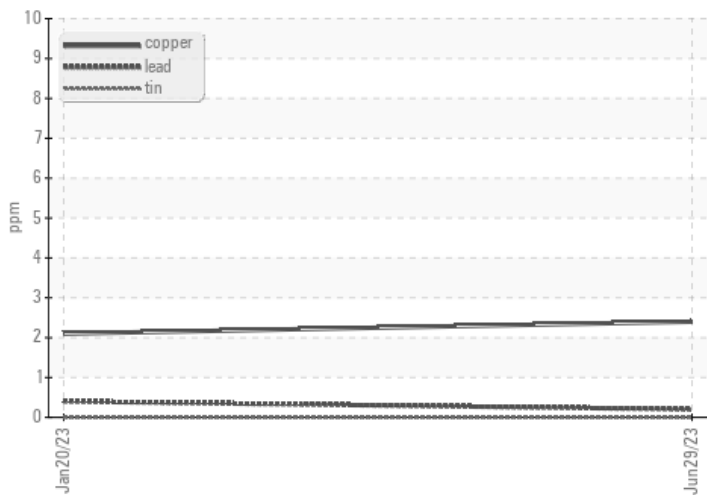


GRAPHS

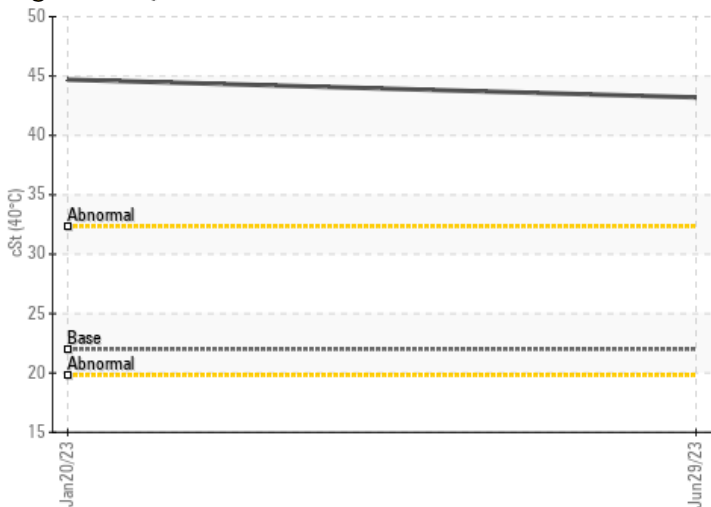
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

