

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 024517-1681 - Hydraulic System

Sample No: LH0275791

Oil Type: {unknown}

ArcelorMittal Mines Canada
1000 Route 389, (Mont-Wright)
Fermont, QC
CA G0G 1J0
Contact: Alexandre Lévesque
alexandre.levesque@arcelormittal.com
T: (418)287-4700
F:

Diagnosis

Nous vous recommandons de vérifier la présence de particules métalliques visibles dans l'huile. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du ISO 32 AW Hydraulic Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon. Présence d'une faible concentration de métal visible. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. Le AN est acceptable pour ce fluide. L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.



Sample Information

Sample Number	LH0275791	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	1082	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	31.6	---	---	---
Acid Number (AN)	mg KOH/g	0.52	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		57754	---	---	---
Particles >6µm		10639	---	---	---
Particles >14µm		545	---	---	---
ISO 4406:1999 (c)		23/21/16	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---



Wear Metals

Iron	ppm	8	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

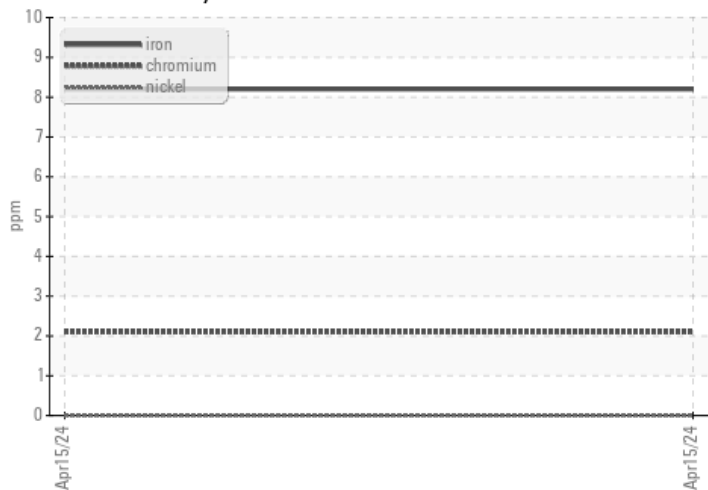
Calcium	ppm	72	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	423	---	---	---
Phosphorus	ppm	364	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

Depot: ARCFER
 Unique No: 5774307
 Signed: Kevin Marson
 Report Date: 07 May 2024

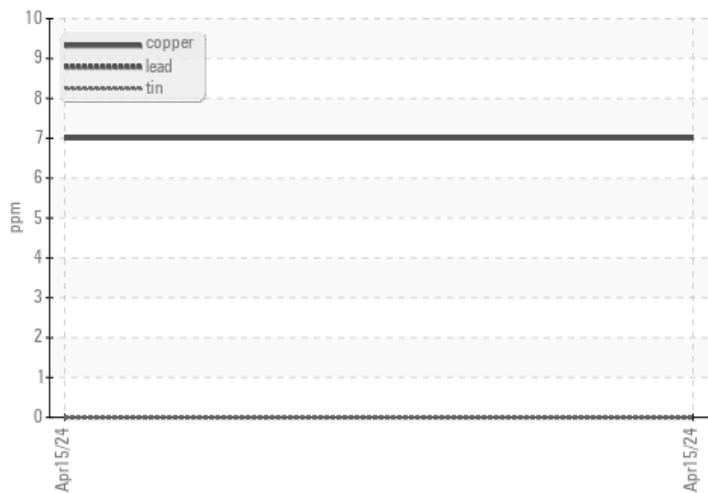


Graphs

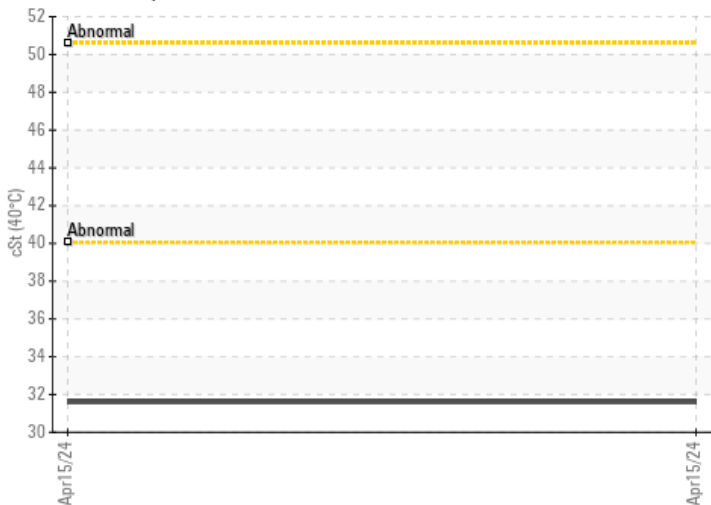
Ferrous Alloys



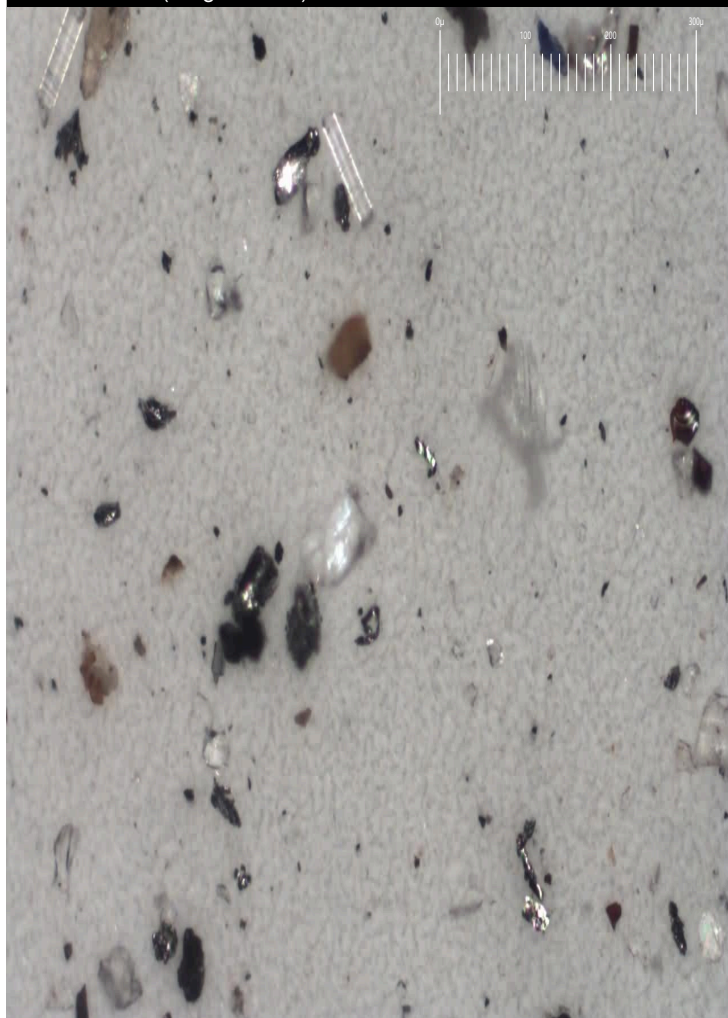
Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)



Acid Number

