

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 084148-1203 - Hydraulic System

Sample No: LH
Oil Type: NOT GIVEN



QIT - Rio Tinto Fer et Titane Inc.
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SAMPLE INFORMATION

Sample Number	LH	LH0274292	LH0260780	LH
Sample Date	19 Dec 2023	09 Jun 2023	09 Jun 2023	24 Mar 2023
Machine Hours	10974	10974	0	10103
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	41.1	41.3	41.5	41.8



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5771	2780	5934	9049
Particles >6µm		823	735	1429	2949
Particles >14µm		25	59	109	230
ISO 4406:1999 (c)		20/17/12	19/17/13	20/18/14	20/19/15
Silicon	ppm	2	2	2	2
Sodium	ppm	1	2	1	1
Potassium	ppm	1	14	1	<1



WEAR METALS

Iron	ppm	7	6	6	6
Copper	ppm	2	2	2	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	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1341	1327	1241	1231
Magnesium	ppm	7	6	5	6
Zinc	ppm	901	907	920	895
Phosphorus	ppm	738	747	794	795
Barium	ppm	0	<1	0	0
Boron	ppm	<1	1	<1	<1

Diagnosis

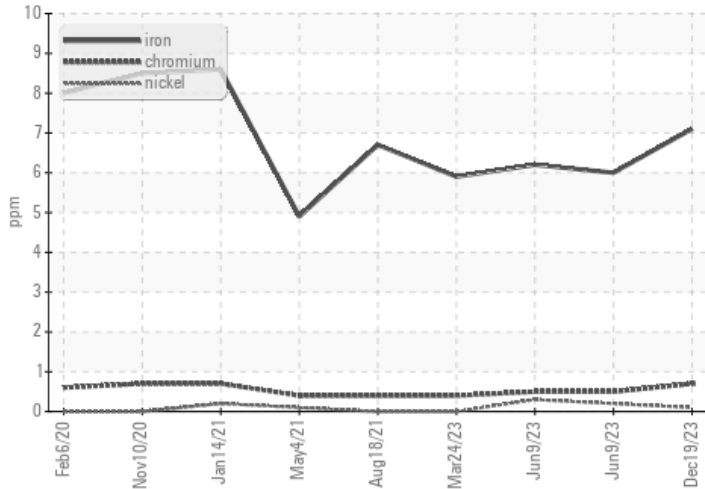
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.

Depot: QITGARAGE
Unique No: 5698402
Signed: Wes Davis
Report Date: 28 Dec 2023

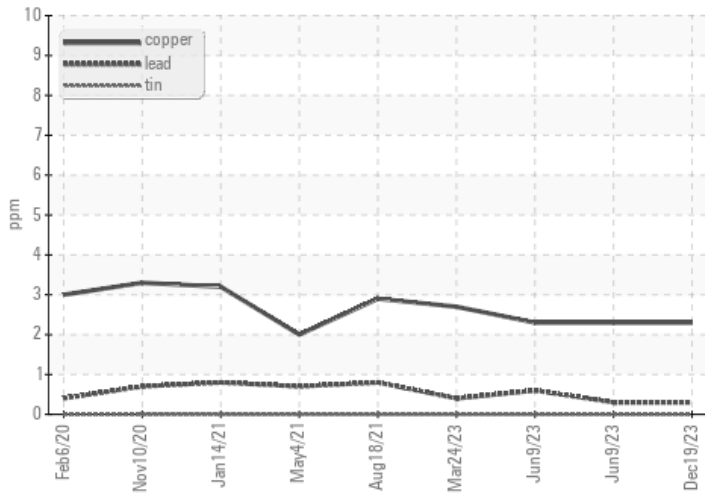


GRAPHS

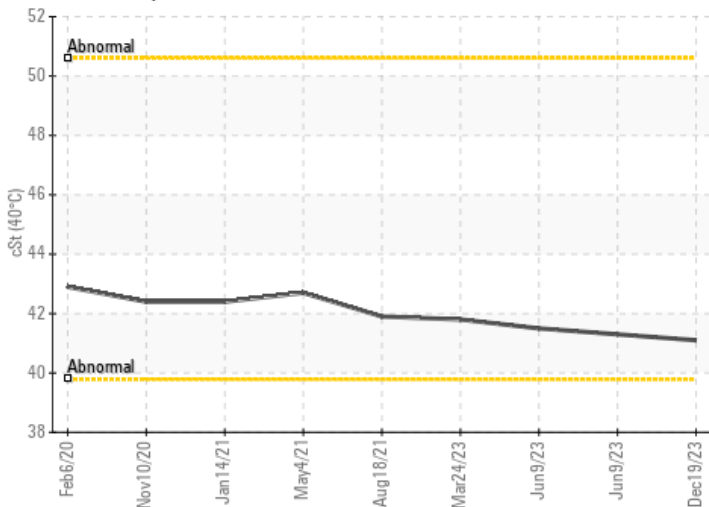
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

