

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	LH	LH0274292	LH0260780
Sample Date	26 Feb 2024	19 Dec 2023	09 Jun 2023	09 Jun 2023
Machine Hours	0	10974	10974	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	41.0	41.1	41.3	41.5
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 26332	● 5771	● 2780	● 5934
Particles >6µm		● 4255	● 823	● 735	● 1429
Particles >14µm		● 298	● 25	● 59	● 109
ISO 4406:1999 (c)		22/19/15	20/17/12	19/17/13	20/18/14
Silicon	ppm	● 2	● 2	● 2	● 2
Sodium	ppm	● 2	● 1	● 2	● 1
Potassium	ppm	● <1	● 1	● 14	● 1



WEAR METALS

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



ADDITIVES

Calcium	ppm	1343	1341	1327	1241
Magnesium	ppm	7	7	6	5
Zinc	ppm	899	901	907	920
Phosphorus	ppm	745	738	747	794
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	1	<1

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. 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. Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: QITGARAGE
Unique No: 5737061
Signed: Wes Davis
Report Date: 05 Mar 2024

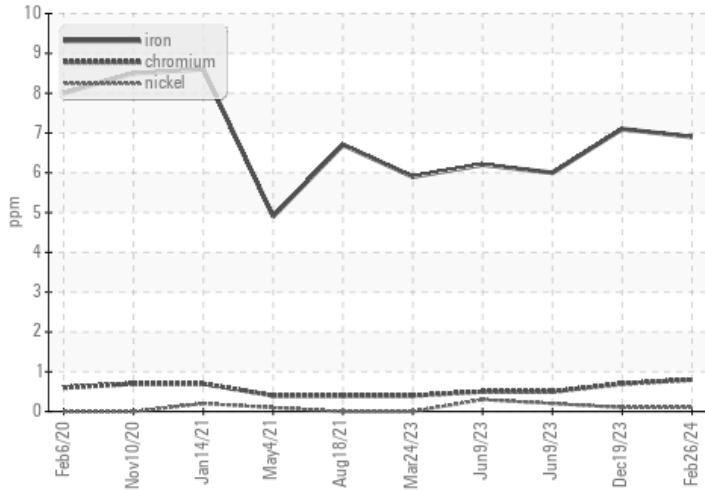
LIEBHERR

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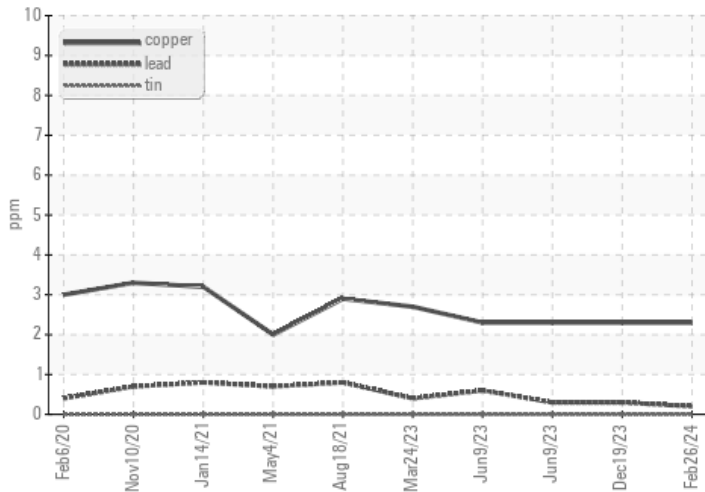


GRAPHS

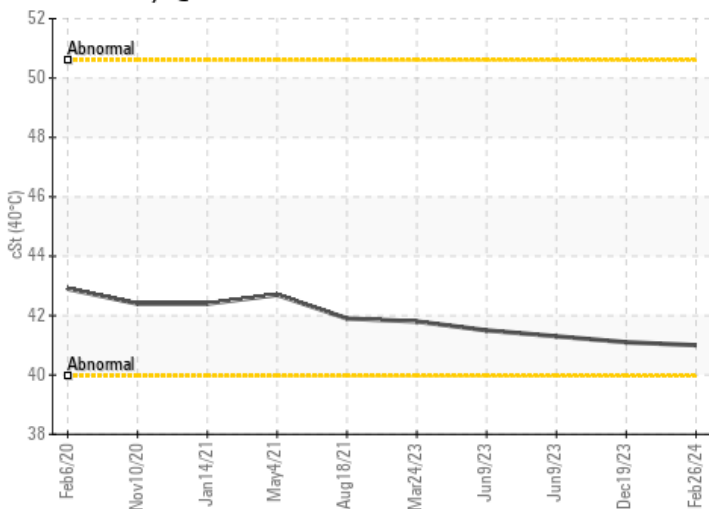
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

