

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R938 050294-1650 - Hydraulic System

Sample No: LH0172347

Oil Type: NOT GIVEN



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0172347	LH0257074	LH0230894	LH0172320
Date d'échant.	11 Jul 2023	21 Mar 2023	16 Sep 2022	14 Oct 2021
Heures de la Machine	4978	4098	3452	2273
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

MOOREFIELD EXCAVATING LTD.
 6297 WELLINGTON RD. 109S, RR #3
 HARRISTON, ON
 CA N0G 1Z0
 Contact: John Landman
 info@moorefieldex.ca
 T: (519)343-3571
 F: (519)510-3277



ÉTAT D'HUILE

Visc 40°C	cSt	40.7	40.9	41.2	41.0
Indice d'acidité	mg KOH/g	1.21	---	---	1.29



CONTAMINATION

Particules >4µ		8127	10001	4994	2318
Particules >6µ		1630	2736	1311	181
Particules >14µ		157	74	67	4
ISO 4406:1999 (c)		20/18/14	21/19/13	19/18/13	18/15/9
Silicium	ppm	4	4	3	4
Sodium	ppm	3	3	2	2
Potassium	ppm	1	<1	<1	1



MÉTAUX D'USURE

PQ		5	---	---	---
Fer	ppm	62	29	17	15
Cuivre	ppm	8	7	6	6
Plomb	ppm	1	1	1	2
Étain	ppm	0	0	0	<1
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	<1	0	0	<1
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titane	ppm	0	<1	0	0
Argent	ppm	0	0	0	<1
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	995	1082	1017	1324
Magnésium	ppm	5	4	5	5
Zinc	ppm	725	732	717	690
Phosphore	ppm	648	668	671	636
Baryum	ppm	0	0	0	0
Bore	ppm	<1	<1	<1	<1

Diagnostic

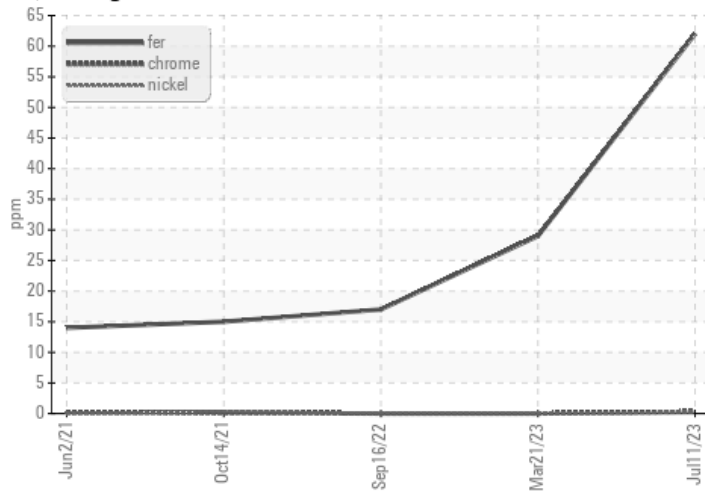
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOOPAL
 Unique No: 5616512
 Signed: Kevin Marson
 Report Date: 24 Jul 2023

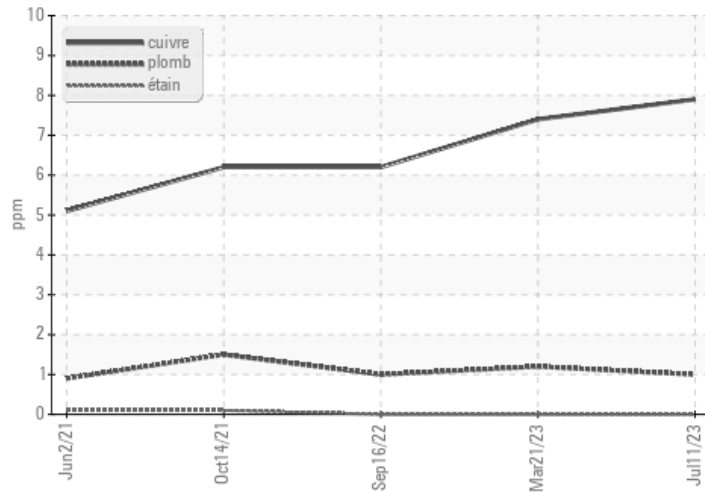


GRAPHS

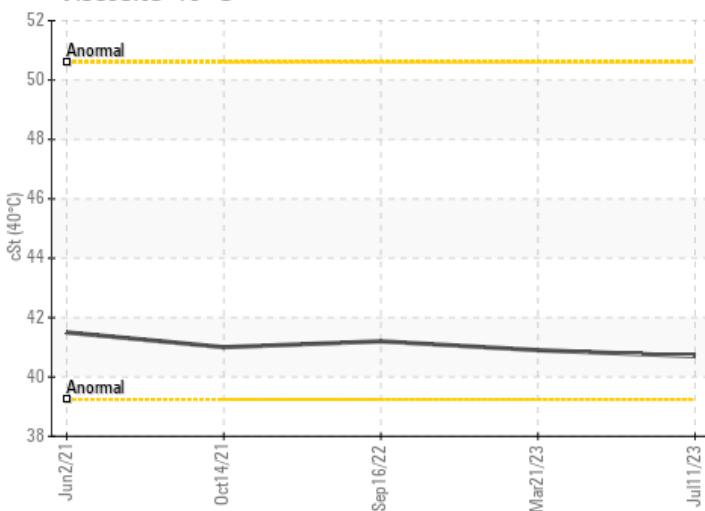
● Alliages ferreux



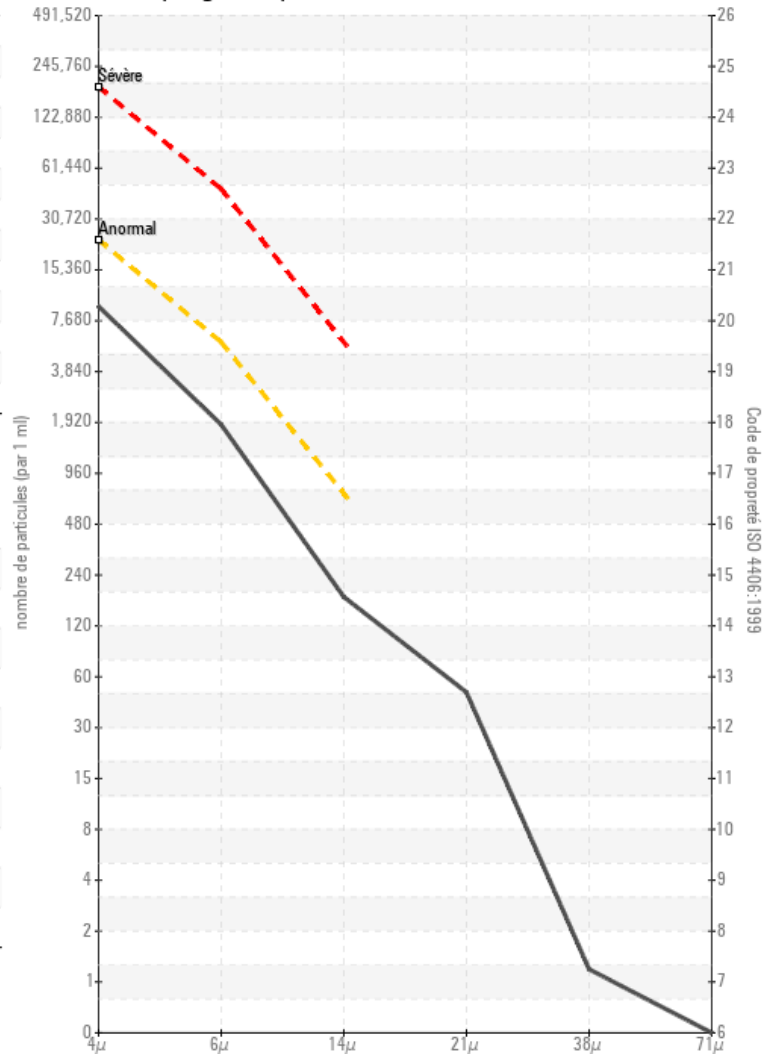
Métaux non-ferreux



Viscosité 40°C



Comptage de particules



Indice d'acidité

