



LIEBHERR LH40C 123508-1527 - Hydraulic System

Sample No: LH0175675

Oil Type: AW HYDRAULIC OIL ISO 46



INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0175675	LH0175666	LH0175657	LH0175648
Date d'échant.	16 Nov 2023	08 Mar 2023	27 Oct 2022	14 Dec 2021
Heures de la Machine	5000	4000	3000	2000
Heures de l'huile	0	0	0	0
Huile changée	N/A	N/A	N/A	Not Changd
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	43.3	43.6	43.5	43.8
Indice d'acidité	mg KOH/g	0.67	0.84	0.61	1.00



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		3170	1326	4521	4723
Particules >6µ		446	191	937	319
Particules >14µ		13	7	30	20
ISO 4406:1999 (c)		19/16/11	18/15/10	19/17/12	19/15/11
Silicium	ppm	1	1	1	1
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



MÉTAUX D'USURE

PQ		3	---	---	---
Fer	ppm	51	40	42	24
Cuivre	ppm	4	4	4	4
Plomb	ppm	1	<1	<1	<1
Étain	ppm	0	<1	0	<1
Aluminium	ppm	0	<1	<1	<1
Chrome	ppm	6	4	4	3
Molybdène	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	0
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	463	520	575	734
Magnésium	ppm	3	3	3	4
Zinc	ppm	509	511	517	555
Phosphore	ppm	415	468	473	497
Baryum	ppm	<1	0	0	0
Bore	ppm	<1	<1	0	<1

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Diagnostic

We recommend an early resample to monitor this condition. 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: DOMBUR

Unique No: 5682179

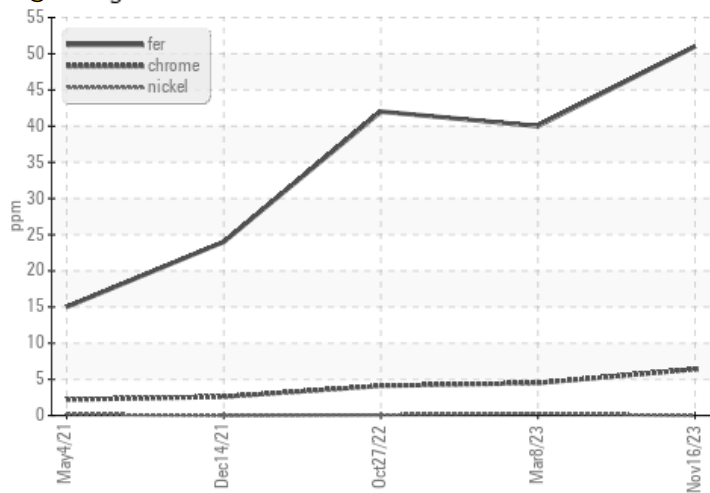
Signed: Kevin Marson

Report Date: 20 Nov 2023

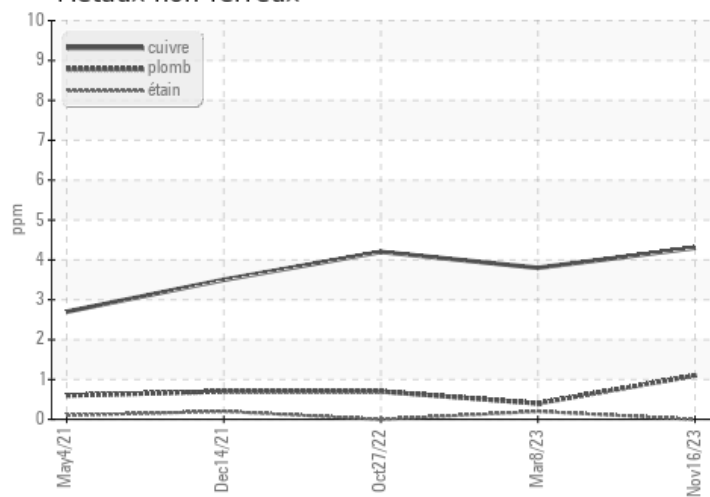


GRAPHS

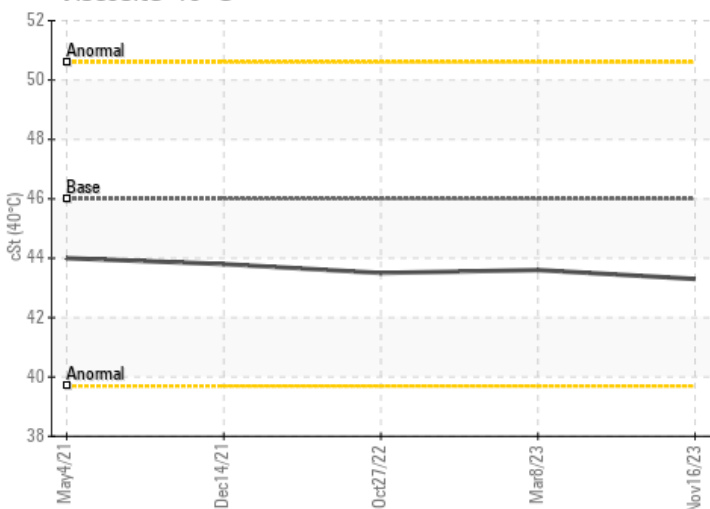
● Alliages ferreux



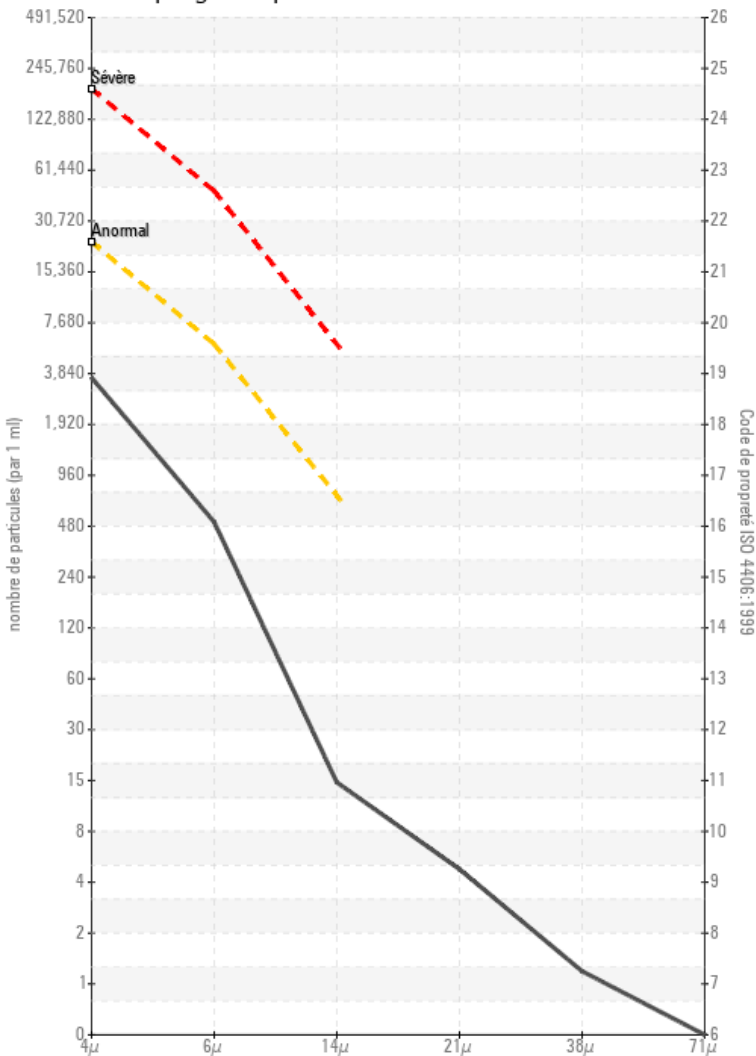
Métaux non-ferreux



Viscosité 40°C



Comptage de particules



Indice d'acidité

