

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(364849)] LIEBHERR R934 053396-1487 - Hydraulic System

Sample No: LH0219931

Oil Type: LIEBHERR HYDRAULIC HVI



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0219931	LH	---	---
Date d'échant.	15 Mar 2024	09 Feb 2022	---	---
Heures de la Machine	1925	0	---	---
Heures de l'huile	0	0	---	---
Huile changée	Changed	N/A	---	---
Statut de l'échant.	SEVERE	ABNORMAL	---	---

HUBERT & FILS

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#### ÉTAT D'HUILE

Visc 40°C	cSt	● 40.9	● 44.3	---	---
Indice d'acidité	mg KOH/g	● 1.38	---	---	---



#### CONTAMINATION

Eau	%	NEG	NEG	---	---
Particules >4µ		● 113685	● 98617	---	---
Particules >6µ		● 25575	● 14364	---	---
Particules >14µ		● 220	● 42	---	---
ISO 4406:1999 (c)		24/22/15	24/21/13	---	---
Silicium	ppm	● 6	● 5	---	---
Sodium	ppm	● 3	● 2	---	---
Potassium	ppm	● <1	● 1	---	---



#### MÉTAUX D'USURE

Fer	ppm	● 8	● 7	---	---
Cuivre	ppm	● 45	● 9	---	---
Plomb	ppm	● 6	● 2	---	---
Étain	ppm	● 4	● <1	---	---
Aluminium	ppm	● 1	● <1	---	---
Chrome	ppm	● <1	● <1	---	---
Molybdène	ppm	● 0	0	---	---
Nickel	ppm	● 0	● 0	---	---
Titane	ppm	0	0	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	● 0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIFS

Calcium	ppm	● 1296	1466	---	---
Magnésium	ppm	● 7	4	---	---
Zinc	ppm	● 702	749	---	---
Phosphore	ppm	● 595	662	---	---
Baryum	ppm	● 2	0	---	---
Bore	ppm	● 2	<1	---	---

#### Diagnostic

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are severe. Tin and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. 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: HUBBOI

Unique No: 5750440

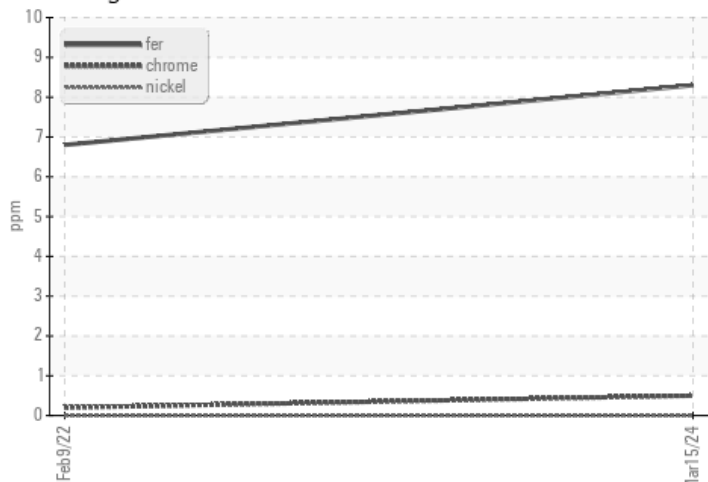
Signed: Kevin Marson

Report Date: 01 Apr 2024

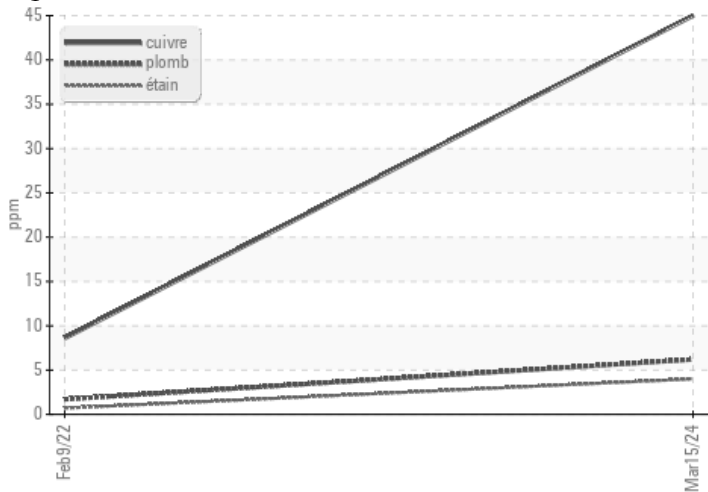


### GRAPHS

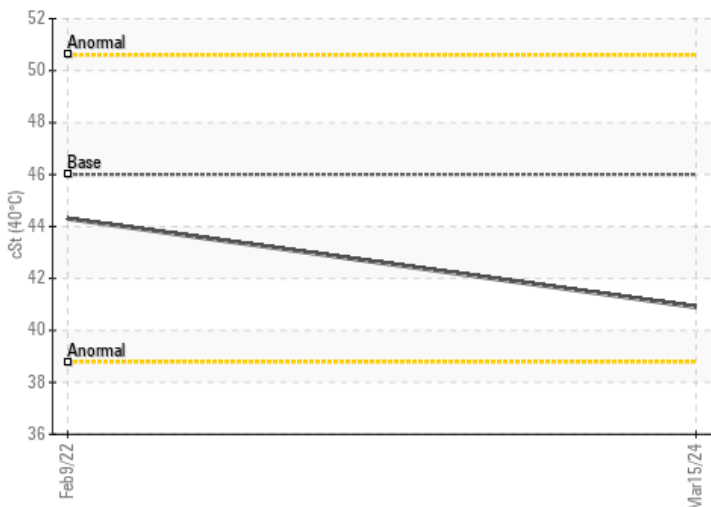
#### Alliages ferreux



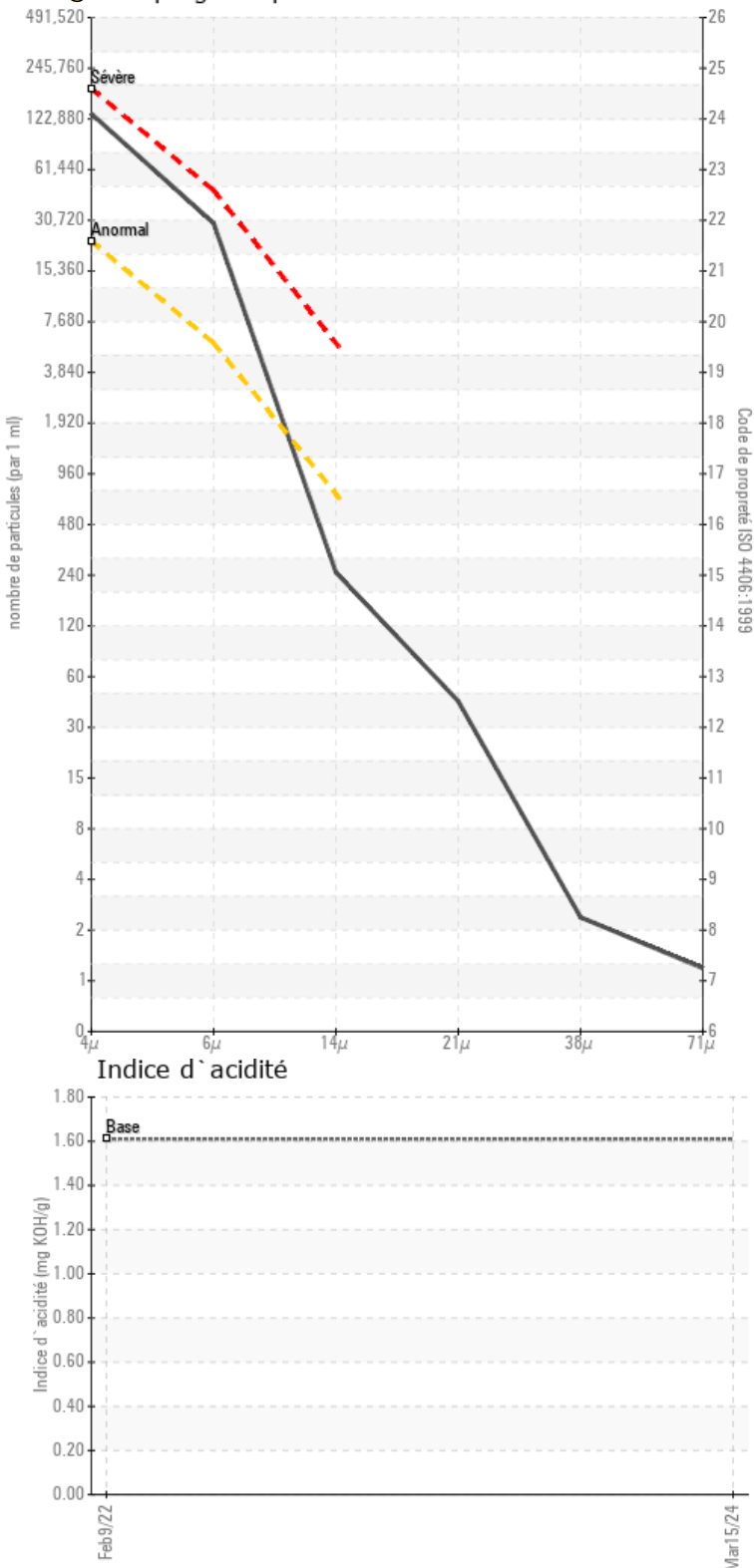
#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules



#### Indice d'acidité

