

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR TA230 139463-1513 - Hydraulic System

Sample No: LH

Oil Type: TOTAL BIOHYDRAN SE 46



**LES ENTREPRISES LOU-VIL INC**  
255 BOUL. LOUIS XIV  
QUEBEC, QC  
CA G2K 1W6  
Contact: Service Manager

T: (418)622-2958  
F:

#### Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### Information sur l'échantillon

Numéro d'échant.	LH	LH0260955	---	---
Date d'échant.	18 Apr 2024	17 Apr 2023	---	---
Heures de la Machine	2343	1310	---	---
Heures de l'huile	0	0	---	---
Huile changée	Changed	Changed	---	---
Statut de l'échant.	NORMAL	NORMAL	---	---



#### État d'huile

Visc 40°C	cSt	43.4	47.0	---	---
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#### Contamination

Eau	%	NEG	NEG	---	---
Particules >4µ		9611	13845	---	---
Particules >6µ		1476	2657	---	---
Particules >14µ		55	137	---	---
ISO 4406:1999 (c)		20/18/13	21/19/14	---	---
Silicium	ppm	0	2	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	<1	<1	---	---



#### Métaux d'usure

Fer	ppm	<1	1	---	---
Cuivre	ppm	<1	1	---	---
Plomb	ppm	0	<1	---	---
Étain	ppm	0	<1	---	---
Aluminium	ppm	0	<1	---	---
Chrome	ppm	0	0	---	---
Molybdène	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titane	ppm	0	<1	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



#### Additifs

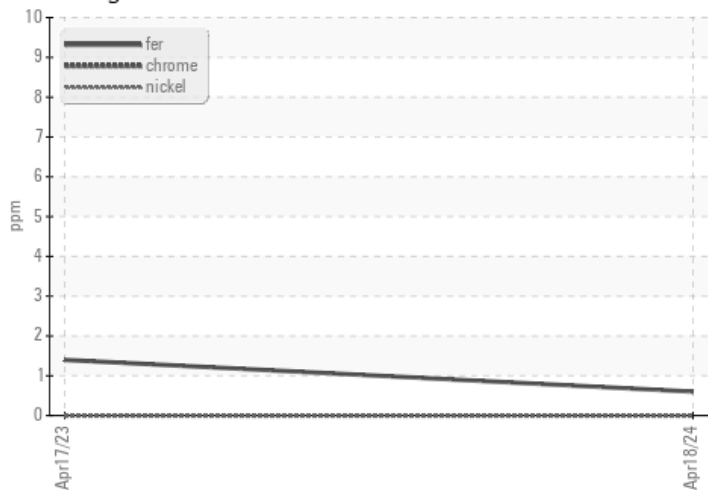
Calcium	ppm	18	425	---	---
Magnésium	ppm	<1	1	---	---
Zinc	ppm	26	824	---	---
Phosphore	ppm	349	739	---	---
Baryum	ppm	0	0	---	---
Bore	ppm	<1	<1	---	---

Depot: LOUQUE  
Unique No: 5775798  
Signed: Wes Davis  
Report Date: 13 May 2024

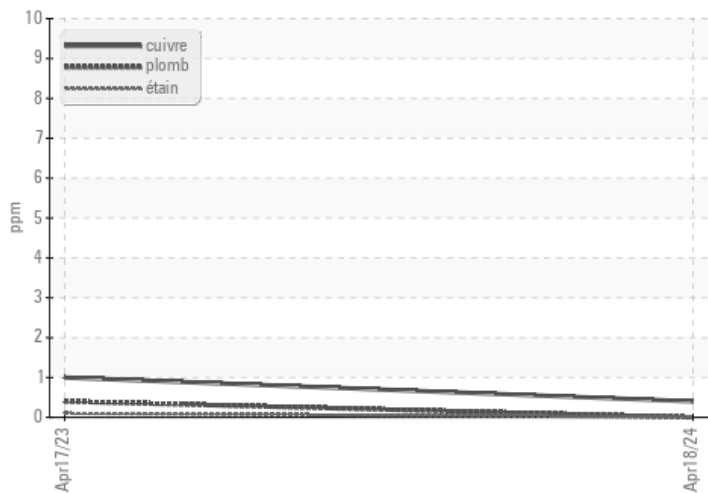


### Graphs

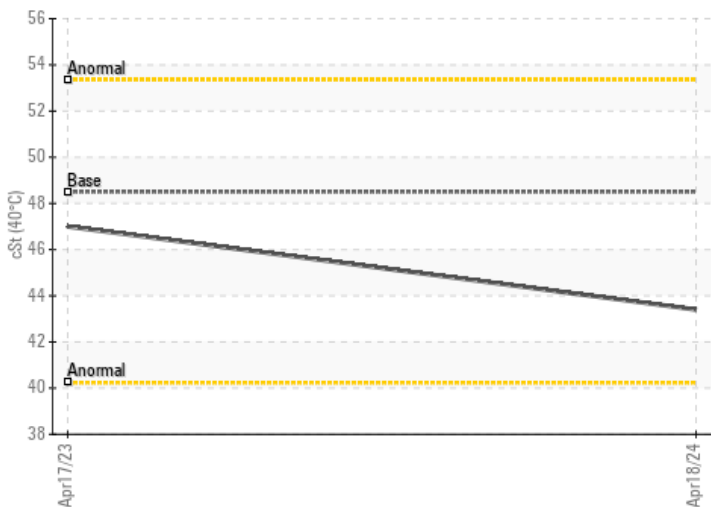
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

