

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(353863)] LIEBHERR L586 061826-1761- Hydraulic System

Sample No: LH0192645

Oil Type: SHELL TELLUS S4 VX 32



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0192645	LH0209019	LH0209006	LH0208980
Date d'échant.	17 Aug 2023	09 Aug 2022	28 May 2022	07 Apr 2022
Heures de la Machine	18248	10597	8862	7807
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

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#### ÉTAT D'HUILE

Visc 40°C	cSt	26.9	29.4	30.7	29.4
Indice d'acidité	mg KOH/g	---	0.33	0.42	0.59



#### CONTAMINATION

Particules >4µ		1321	276	5617	2132
Particules >6µ		379	39	1072	274
Particules >14µ		41	8	79	27
ISO 4406:1999 (c)		18/16/13	15/12/10	20/17/13	18/15/12
Silicium	ppm	<1	2	<1	<1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	1	1



#### MÉTAUX D'USURE

Fer	ppm	34	13	11	16
Cuivre	ppm	3	3	2	3
Plomb	ppm	6	9	6	5
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	6	3	2	2
Molybdène	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titane	ppm	0	0	0	0
Argent	ppm	<1	<1	0	0
Manganèse	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	61	268	273	488
Magnésium	ppm	0	2	2	2
Zinc	ppm	79	241	245	409
Phosphore	ppm	599	603	654	638
Baryum	ppm	<1	0	0	0
Bore	ppm	<1	<1	1	1

#### Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium ppm levels are abnormal. Ring wear is indicated. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: AVTTER

Unique No: 5657988

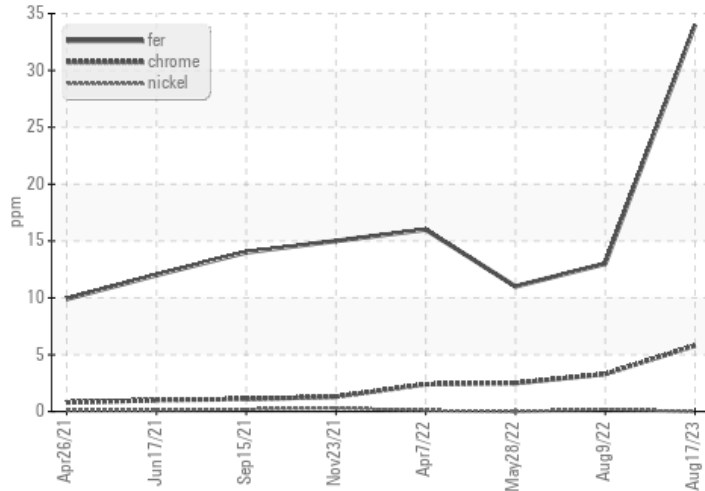
Signed: Kevin Marson

Report Date: 16 Oct 2023

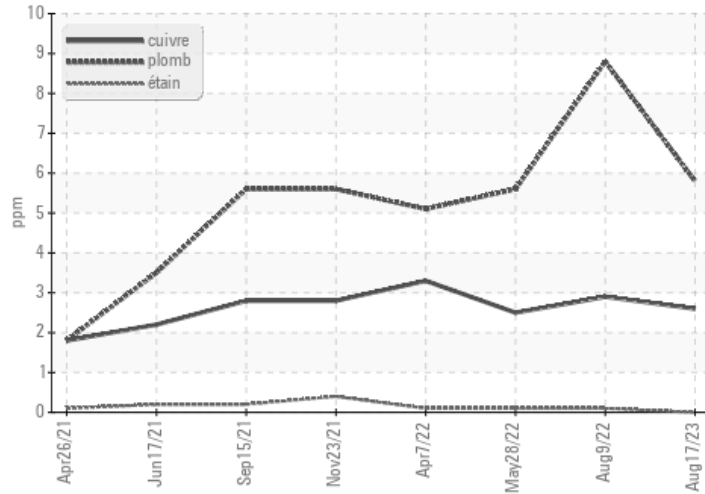


### GRAPHS

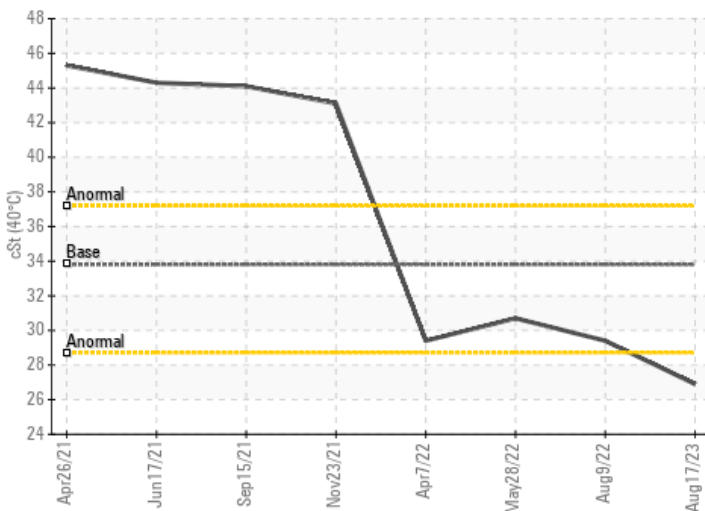
#### ● Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

