

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(351146)] LIEBHERR A918 131283-1508 - Hydraulic System

Sample No: LH0274420

Oil Type: PETRO CANADA 10W30



THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith

T: (613)257-4995  
F: (613)253-0071

#### Diagnostic

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. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0274420	LH0242418	---	---
Date d'échant.	18 Aug 2023	01 Nov 2022	---	---
Heures de la Machine	2990	2002	---	---
Heures de l'huile	0	0	---	---
Huile changée	Not Changed	Changed	---	---
Statut de l'échant.	NORMAL	NORMAL	---	---



#### ÉTAT D'HUILE

Visc 40°C	cSt	53.1	● 48.2	---	---
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#### CONTAMINATION

Particules >4μ		● 15349	● 2645	---	---
Particules >6μ		● 4866	● 354	---	---
Particules >14μ		● 231	● 8	---	---
ISO 4406:1999 (c)		21/19/15	19/16/10	---	---
Silicium	ppm	● 5	● 5	---	---
Sodium	ppm	● 4	● 6	---	---
Potassium	ppm	● 2	● 2	---	---



#### MÉTAUX D'USURE

Fer	ppm	● 6	● 5	---	---
Cuivre	ppm	● 4	● 4	---	---
Plomb	ppm	● <1	● <1	---	---
Étain	ppm	● 0	● 0	---	---
Aluminium	ppm	● 2	● 2	---	---
Chrome	ppm	● <1	● <1	---	---
Molybdène	ppm	● 21	● 5	---	---
Nickel	ppm	● 0	<1	---	---
Titane	ppm	31	43	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	● <1	● <1	---	---
Vanadium	ppm	<1	<1	---	---



#### ADDITIFS

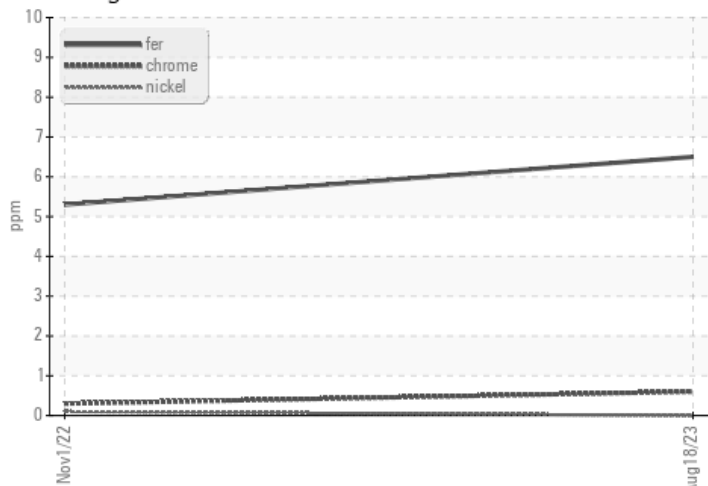
Calcium	ppm	● 1412	● 1611	---	---
Magnésium	ppm	● 440	● 214	---	---
Zinc	ppm	● 983	● 900	---	---
Phosphore	ppm	● 917	● 869	---	---
Baryum	ppm	● 0	● 0	---	---
Bore	ppm	● 53	● 73	---	---

Depot: CAVASH  
Unique No: 5630814  
Signed: Kevin Marson  
Report Date: 24 Aug 2023

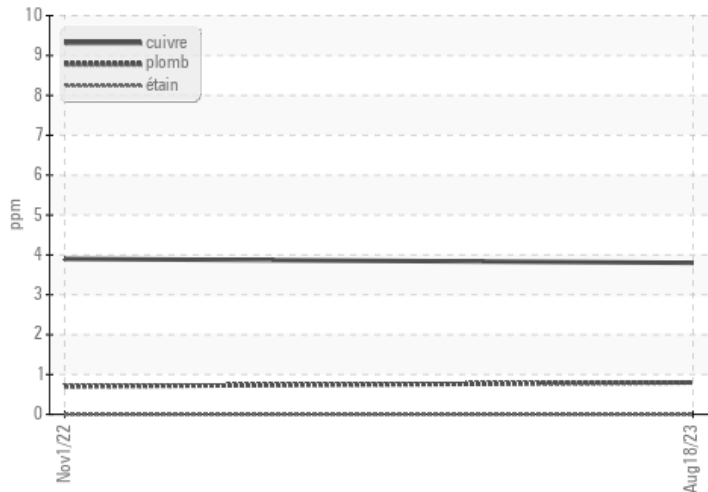


### GRAPHS

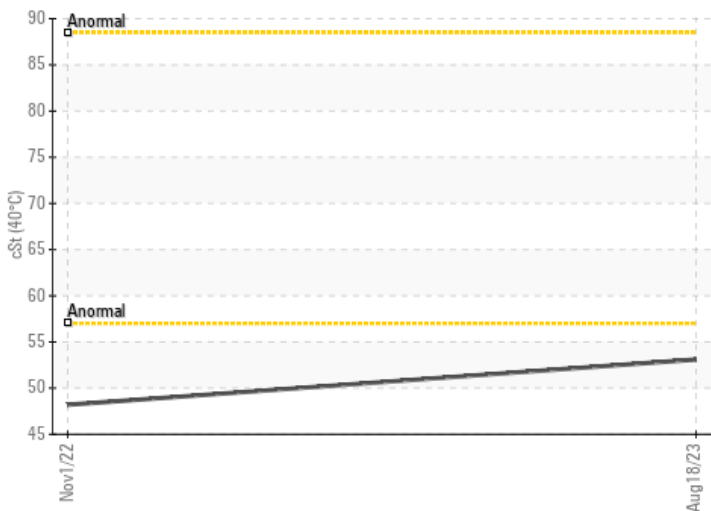
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

