

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0286693

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.	LH0286693	LH0277526	LH0274420	LH0242418
Date d'échant.	23 Jun 2024	24 Nov 2023	18 Aug 2023	01 Nov 2022
Heures de la Machine	3983	3974	2990	2002
Heures de l'huile	0	0	0	0
Huile changée	Changed	Not Changd	Not Changd	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL



#### État d'huile

Visc 40°C	cSt	52.9	51.3	53.1	48.2



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		648	3580	15349	2645
Particules >6µ		112	695	4866	354
Particules >14µ		8	34	231	8
ISO 4406:1999 (c)		17/14/10	19/17/12	21/19/15	19/16/10
Silicium	ppm	4	4	5	5
Sodium	ppm	4	4	4	6
Potassium	ppm	2	1	2	2



#### Métaux d'usure

Fer	ppm	7	8	6	5
Cuivre	ppm	4	8	4	4
Plomb	ppm	<1	2	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	2	2	2	2
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	19	17	21	5
Nickel	ppm	<1	<1	0	<1
Titane	ppm	31	25	31	43
Argent	ppm	0	<1	0	0
Manganèse	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	<1	<1



#### Additifs

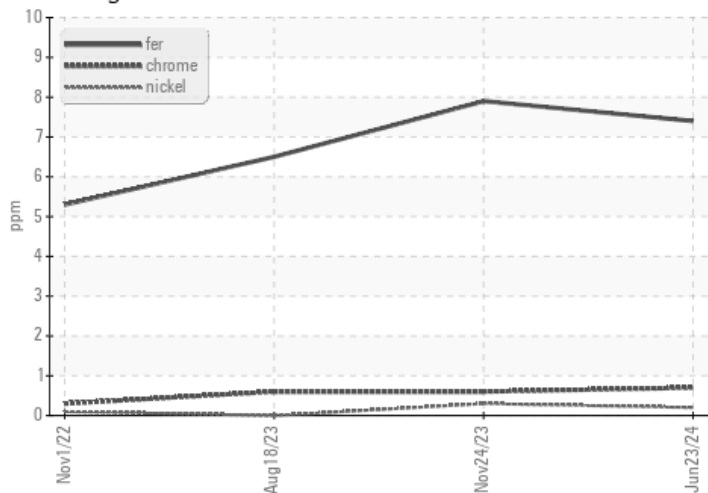
Calcium	ppm	1415	1332	1412	1611
Magnésium	ppm	420	363	440	214
Zinc	ppm	969	914	983	900
Phosphore	ppm	826	810	917	869
Baryum	ppm	<1	<1	0	0
Bore	ppm	52	44	53	73

Depot: CAVASH  
Unique No: 5801722  
Signed: Kevin Marson  
Report Date: 27 Jun 2024

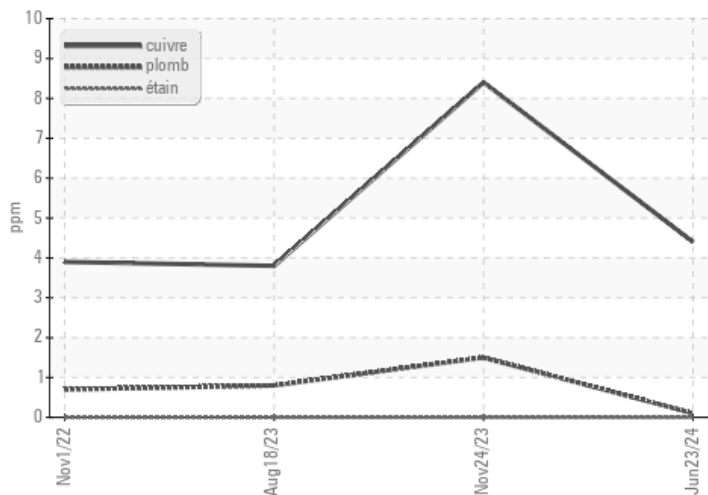


### Graphs

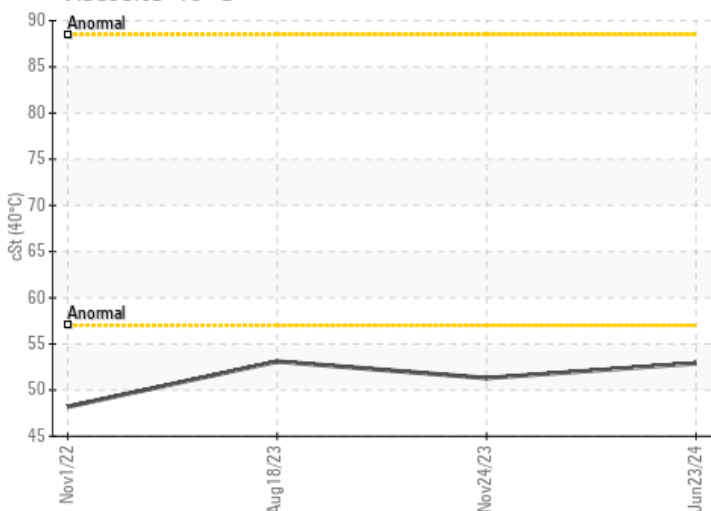
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

