



### LIEBHERR L586 057998-1334 - Hydraulic System

Sample No: LH0123063

Oil Type: PETRO CANADA 10W30



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0123063	LH0203036	LH0256522	LH0239211
Date d'échant.	19 Sep 2023	05 Jul 2023	23 Mar 2023	03 Oct 2022
Heures de la Machine	7088	6582	6035	5078
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Changed	N/A
Statut de l'échant.	ABNORMAL	NORMAL	ATTENTION	NORMAL

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



#### ÉTAT D'HUILE

Visc 40°C	cSt	48.7	76.5	46.5	45.9
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T: (613)257-4995  
F: (613)253-0071



#### CONTAMINATION

Particules >4µ		7348	17646	20988	10707
Particules >6µ		664	3841	3520	1768
Particules >14µ		30	259	130	153
ISO 4406:1999 (c)		20/17/12	21/19/15	22/19/14	21/18/14
Silicium	ppm	11	11	12	9
Sodium	ppm	3	2	3	2
Potassium	ppm	2	2	3	2

#### 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 10W range, advise investigate. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	16	15	17	13
Cuivre	ppm	3	3	4	3
Plomb	ppm	7	6	8	7
Étain	ppm	<1	<1	<1	<1
Aluminium	ppm	4	4	5	4
Chrome	ppm	2	2	2	2
Molybdène	ppm	15	15	4	4
Nickel	ppm	0	0	<1	0
Titane	ppm	18	18	22	20
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	<1	<1



#### ADDITIFS

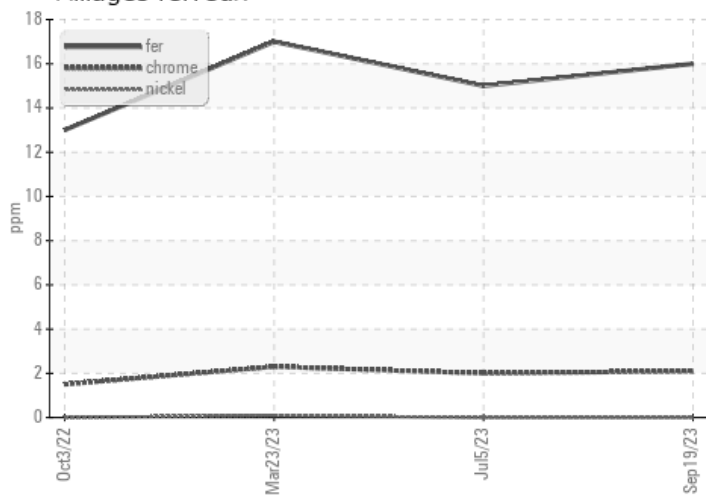
Calcium	ppm	1041	1066	1133	1049
Magnésium	ppm	303	300	149	139
Zinc	ppm	965	957	926	892
Phosphore	ppm	870	885	841	809
Baryum	ppm	0	0	0	0
Bore	ppm	30	31	37	34

Depot: CAVASH  
Unique No: 5645763  
Signed: Bill Quesnel  
Report Date: 25 Sep 2023

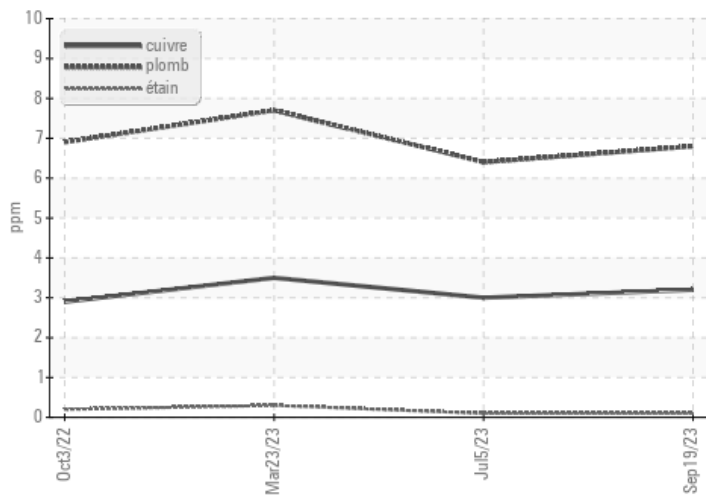


### GRAPHS

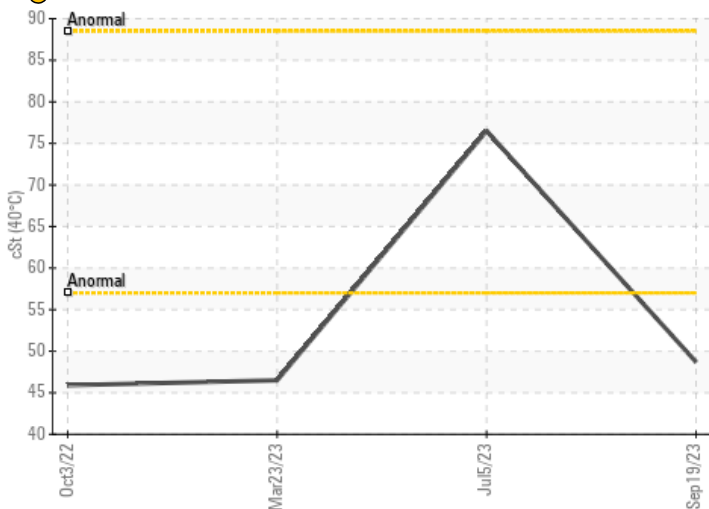
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

