

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 059953-1334 - Hydraulic System

Sample No: LH0270297

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270297	LH0285035	LH0242569	LH0203043
Date d'échant.	04 Mar 2024	01 Feb 2024	01 Oct 2022	27 Sep 2021
Heures de la Machine	7962	4939	3002	1012
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	NORMAL	ATTENTION	ABNORMAL	ABNORMAL

THOMAS CAVANAGH CONSTRUCTION LTD  
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ASHTON, ON  
CA K0A 1B0  
Contact: Keith



#### ÉTAT D'HUILE

Visc 40°C	cSt	48.7	43.1	40.1	44.9
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T: (613)257-4995  
F: (613)253-0071



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		4529	39621	63896	53860
Particules >6µ		88	562	7579	6028
Particules >14µ		5	27	256	31
ISO 4406:1999 (c)		19/14/10	22/16/12	23/20/15	23/20/12
Silicium	ppm	12	13	10	6
Sodium	ppm	3	1	2	1
Potassium	ppm	3	4	2	2

#### 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.



#### MÉTAUX D'USURE

Fer	ppm	17	28	19	10
Cuivre	ppm	3	6	5	3
Plomb	ppm	8	8	7	5
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	5	5	4	2
Chrome	ppm	2	2	<1	<1
Molybdène	ppm	15	0	<1	0
Nickel	ppm	<1	<1	<1	0
Titane	ppm	17	0	<1	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

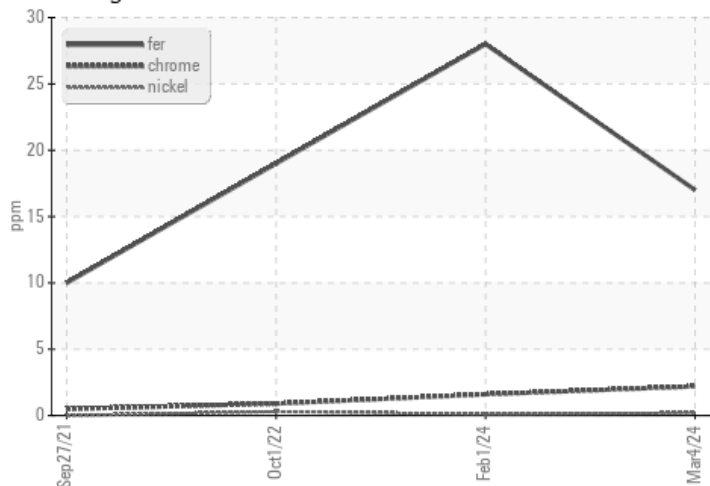
Calcium	ppm	1065	1284	1240	1329
Magnésium	ppm	298	8	10	5
Zinc	ppm	958	676	648	669
Phosphore	ppm	836	576	617	614
Baryum	ppm	0	0	0	0
Bore	ppm	29	<1	2	<1

Depot: CAVASH  
Unique No: 5737715  
Signed: Kevin Marson  
Report Date: 08 Mar 2024

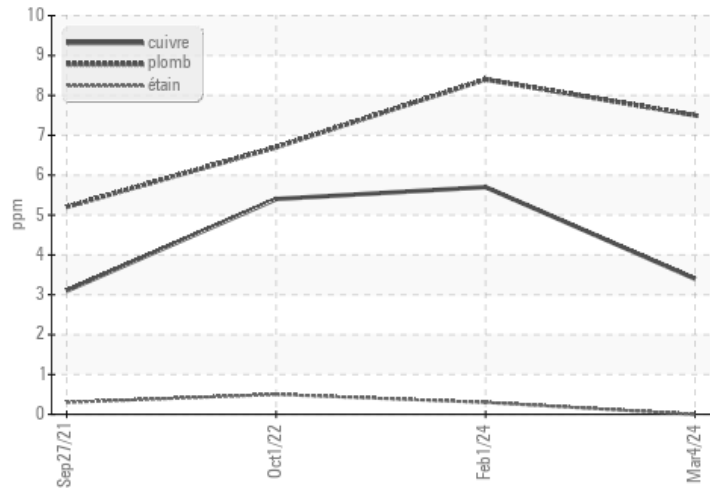


### GRAPHS

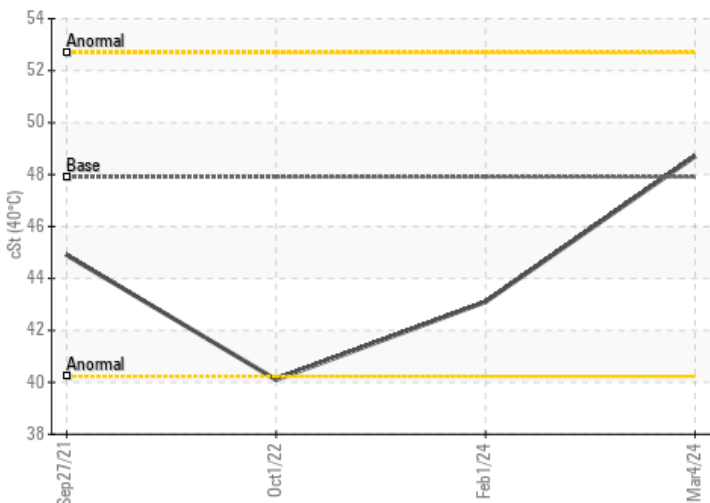
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

