

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(366409)] LIEBHERR R945 053994-1866 - Hydraulic System

Sample No: LH0285027

Oil Type: PETRO CANADA 10W30



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0285027	LH0237712	LH0202862	LH0237756
Date d'échant.	08 Feb 2024	11 Aug 2023	25 May 2023	06 Mar 2023
Heures de la Machine	4053	3069	2611	2125
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

THOMAS CAVANAGH CONSTRUCTION LTD  
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ASHTON, ON  
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Contact: Keith



#### ÉTAT D'HUILE

Visc 40°C	cSt	49.0	46.9	49.0	47.1
Indice d'acidité	mg KOH/g	---	0.92	---	1.01

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



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		7205	8090	1391	326
Particules >6µ		2110	1662	282	69
Particules >14µ		138	79	17	7
ISO 4406:1999 (c)		20/18/14	20/18/13	18/15/11	16/13/10
Silicium	ppm	6	6	6	6
Sodium	ppm	4	4	3	3
Potassium	ppm	2	2	1	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	10	8	7	8
Cuivre	ppm	5	5	5	5
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	0	<1
Aluminium	ppm	2	1	1	2
Chrome	ppm	<1	<1	0	0
Molybdène	ppm	21	19	20	11
Nickel	ppm	<1	0	0	<1
Titane	ppm	17	22	18	22
Argent	ppm	0	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	<1	<1



#### ADDITIFS

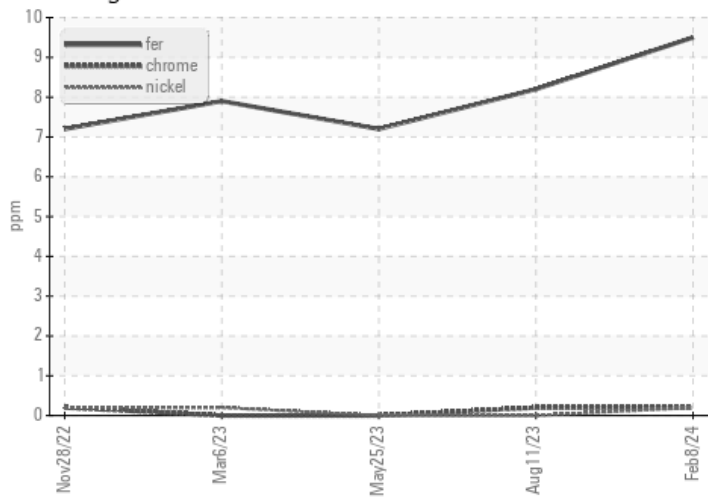
Calcium	ppm	1252	1333	1400	1445
Magnésium	ppm	363	338	330	190
Zinc	ppm	925	935	944	855
Phosphore	ppm	848	880	901	808
Baryum	ppm	0	0	0	0
Bore	ppm	51	61	55	64

Depot: CAVASH  
Unique No: 5734540  
Signed: Kevin Marson  
Report Date: 23 Feb 2024

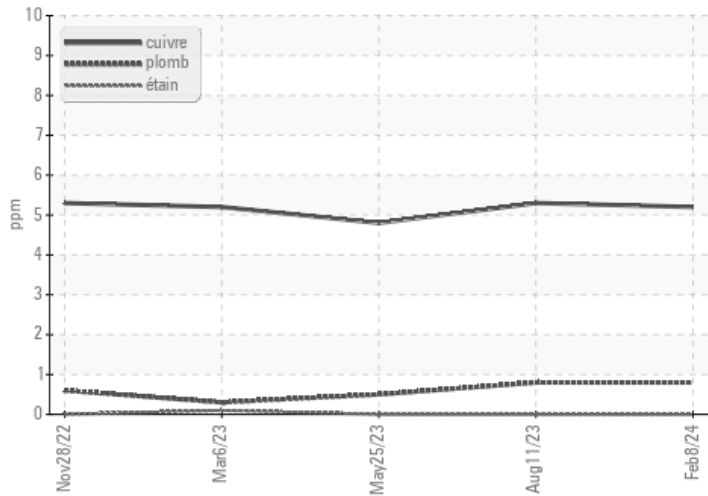


### GRAPHS

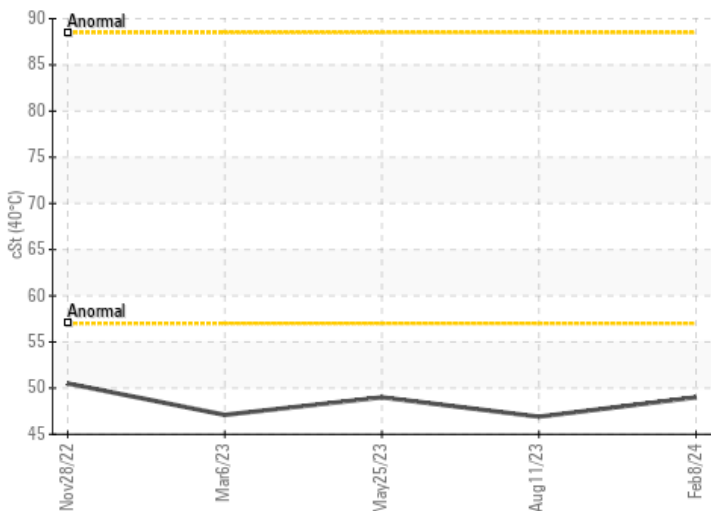
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

