

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(353412)] LIEBHERR R926 052980-1827 - Hydraulic System

Sample No: LH0281586

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0281586	LH0274644	LH0247314	LH0234736
Date d'échant.	15 Dec 2023	20 Sep 2023	03 Feb 2023	22 Jul 2022
Heures de la Machine	4507	4068	2931	2001
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	SEVERE	SEVERE	ABNORMAL	ABNORMAL

**SL EXCAVATION INC.**  
4626 COUNTY ROAD 29  
ALMONTE, ON  
CA K0A 1A0  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 40°C	cSt	37.9	41.4	41.7	41.8

T:  
F:



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		6781	1550	28838	445
Particules >6µ		1733	406	129	124
Particules >14µ		52	23	7	15
ISO 4406:1999 (c)		20/18/13	18/16/12	22/14/10	16/14/11
Silicium	ppm	8	8	8	7
Sodium	ppm	3	3	3	2
Potassium	ppm	1	<1	<1	<1

#### Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. NOTE: An increase in the particle count is noted. Additive levels indicate the addition of a different brand, or type of oil. 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

PQ		10	11	1	0
Fer	ppm	131	116	86	63
Cuivre	ppm	12	11	10	8
Plomb	ppm	2	1	1	1
Étain	ppm	0	0	<1	<1
Aluminium	ppm	1	<1	1	<1
Chrome	ppm	3	3	2	2
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titane	ppm	0	0	0	0
Argent	ppm	<1	<1	0	0
Manganèse	ppm	2	2	2	1
Vanadium	ppm	0	0	<1	0



#### ADDITIFS

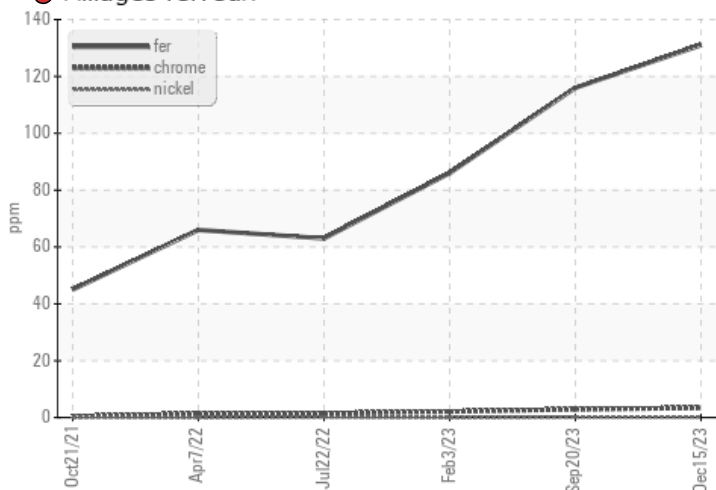
Calcium	ppm	1000	988	1145	1110
Magnésium	ppm	6	3	3	3
Zinc	ppm	652	648	676	666
Phosphore	ppm	585	559	636	584
Baryum	ppm	0	<1	0	0
Bore	ppm	<1	<1	<1	<1

**Depot:** SLEALM  
**Unique No:** 5697741  
**Signed:** Kevin Marson  
**Report Date:** 22 Dec 2023

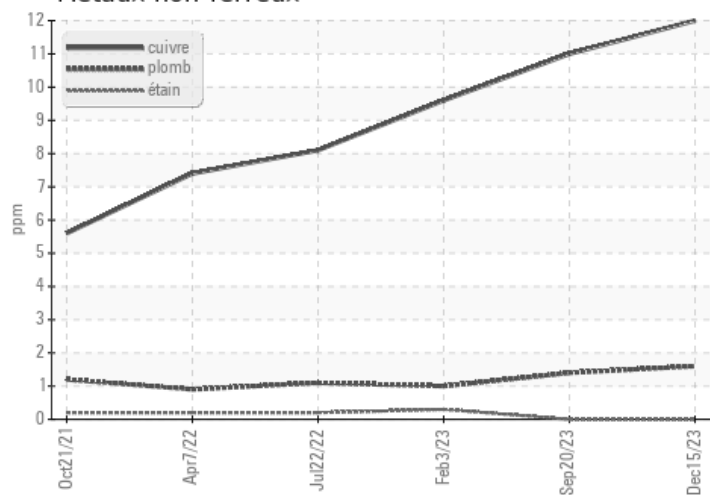


### GRAPHS

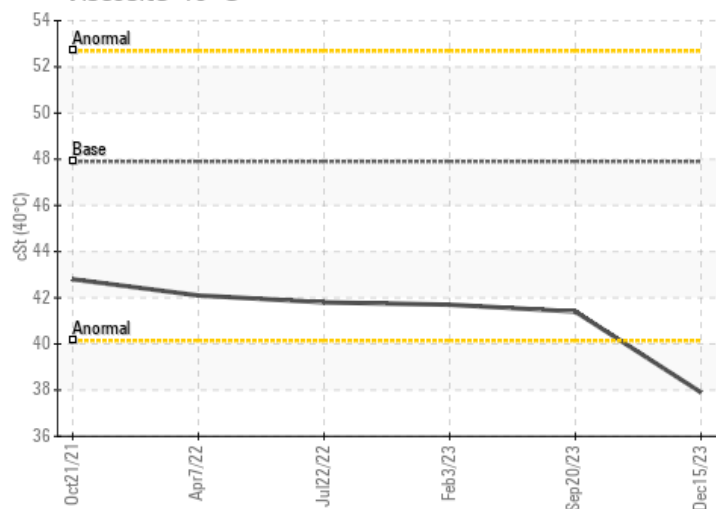
#### ● Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

