

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363346) IRON SHORING] 022240-1709 - Hydraulic System

Sample No: LH0270467

Oil Type: PETRO CANADA HYDREX AW 46



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270467	LH0261613	---	---
Date d'échant.	26 Jul 2023	21 Jun 2023	---	---
Heures de la Machine	2025	594	---	---
Heures de l'huile	0	0	---	---
Huile changée	N/A	Changed	---	---
Statut de l'échant.	NORMAL	NORMAL	---	---

RONI/IRON SHORE EXCAVATING LTD.  
100 MACINTOSH BLVD  
VAUGHAN, ON  
CA L4K 4P3  
Contact: Service Team  
service.team@roni.ca  
T:  
F:



#### ÉTAT D'HUILE

Visc 40°C	cSt	● 42.8	● 44.6	---	---
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#### CONTAMINATION

Particules >4μ		● 2177	● 2633	---	---
Particules >6μ		● 232	● 585	---	---
Particules >14μ		● 13	● 53	---	---
ISO 4406:1999 (c)		18/15/11	19/16/13	---	---
Silicium	ppm	● 4	● <1	---	---
Sodium	ppm	● <1	● <1	---	---
Potassium	ppm	● <1	● <1	---	---



#### MÉTAUX D'USURE

Fer	ppm	● 5	● 1	---	---
Cuivre	ppm	● 2	● 2	---	---
Plomb	ppm	● 1	● <1	---	---
Étain	ppm	● 0	● 0	---	---
Aluminium	ppm	● 1	● <1	---	---
Chrome	ppm	● 0	● 0	---	---
Molybdène	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	● 0	---	---
Titane	ppm	0	0	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	● 0	● 0	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIFS

Calcium	ppm	1150	● 39	---	---
Magnésium	ppm	● 3	● 5	---	---
Zinc	ppm	● 684	● 411	---	---
Phosphore	ppm	● 652	● 339	---	---
Baryum	ppm	● 0	● 0	---	---
Bore	ppm	● 2	● <1	---	---

#### Diagnostic

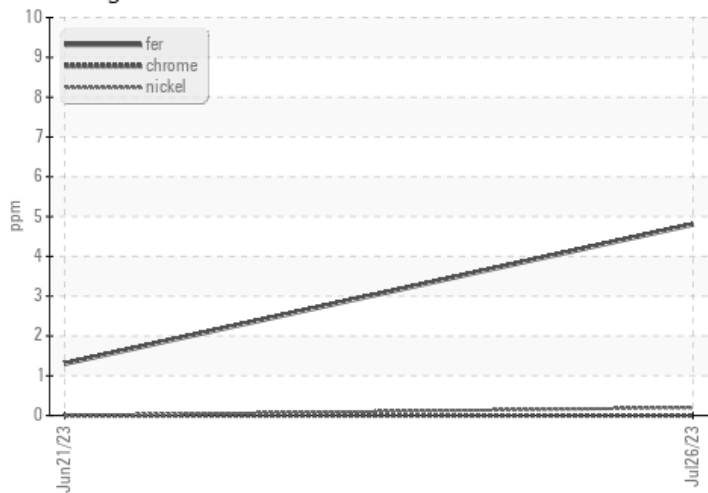
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: RONVAU  
Unique No: 5618036  
Signed: Kevin Marson  
Report Date: 31 Jul 2023

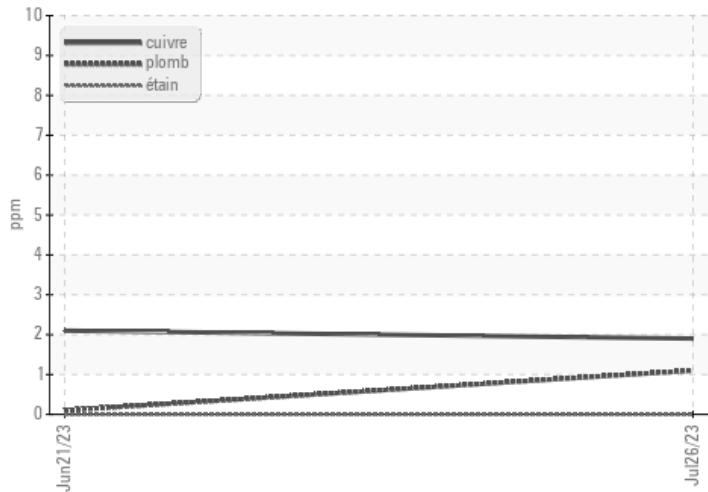


### GRAPHS

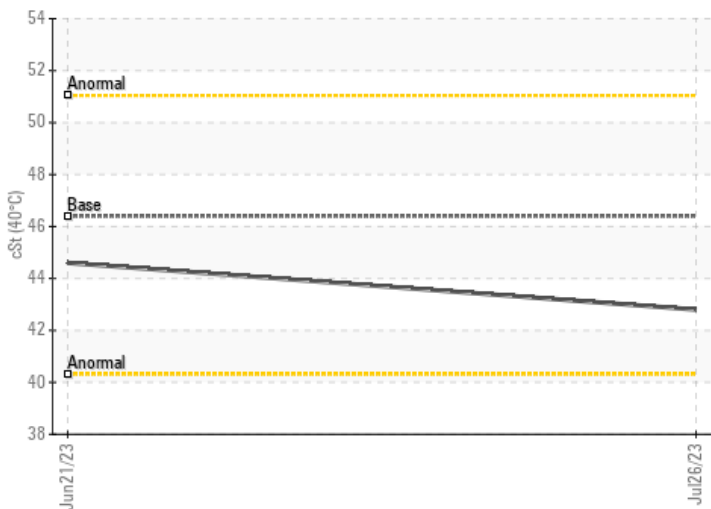
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

