

LIEBHERR

CONSTRUCTION EQUIPMENT



[(355226)] LIEBHERR R938 053191-1650 - Hydraulic System

Sample No: LH0279024

Oil Type: PETRO CANADA 10W30



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0279024	LH0274643	LH0195722	LH0237768
Date d'échant.	01 Nov 2023	01 Nov 2023	26 Jul 2023	05 Apr 2023
Heures de la Machine	3610	3610	3133	2606
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	NORMAL	ATTENTION	NORMAL	NORMAL

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



ÉTAT D'HUILE

Visc 40°C	cSt	49.9	48.8	52.1	52.8
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T: (613)257-4995
F: (613)253-0071



CONTAMINATION

Eau	%	---	---	---	0.051
Particules >4µ		2545	8642	1124	1159
Particules >6µ		639	1835	302	241
Particules >14µ		28	114	29	12
ISO 4406:1999 (c)		19/16/12	20/18/14	17/15/12	17/15/11
Silicium	ppm	7	6	7	6
Sodium	ppm	5	4	4	4
Potassium	ppm	<1	<1	2	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	7	9	7	6
Cuivre	ppm	11	6	5	4
Plomb	ppm	1	<1	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	1	1	2	2
Chrome	ppm	<1	0	<1	<1
Molybdène	ppm	13	18	16	15
Nickel	ppm	0	<1	0	<1
Titane	ppm	27	20	31	31
Argent	ppm	<1	<1	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	<1	<1



ADDITIFS

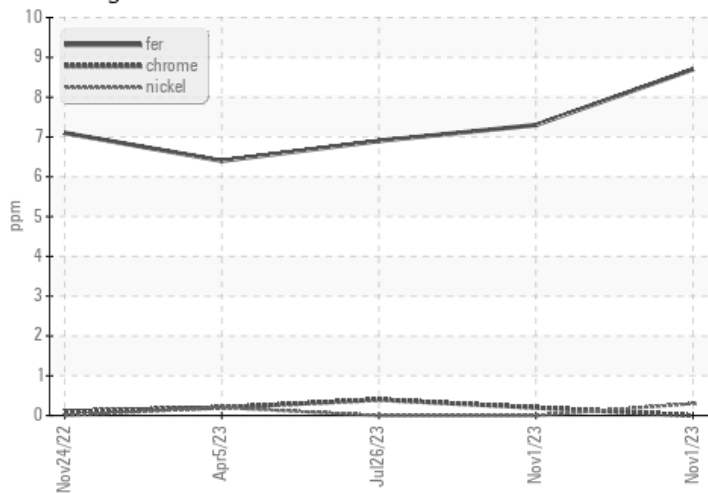
Calcium	ppm	1425	1299	1460	1534
Magnésium	ppm	360	321	417	413
Zinc	ppm	963	919	1020	1015
Phosphore	ppm	842	809	984	979
Baryum	ppm	<1	<1	0	0
Bore	ppm	53	58	61	61

Depot: CAVASH
Unique No: 5672126
Signed: Bill Quesnel
Report Date: 10 Nov 2023

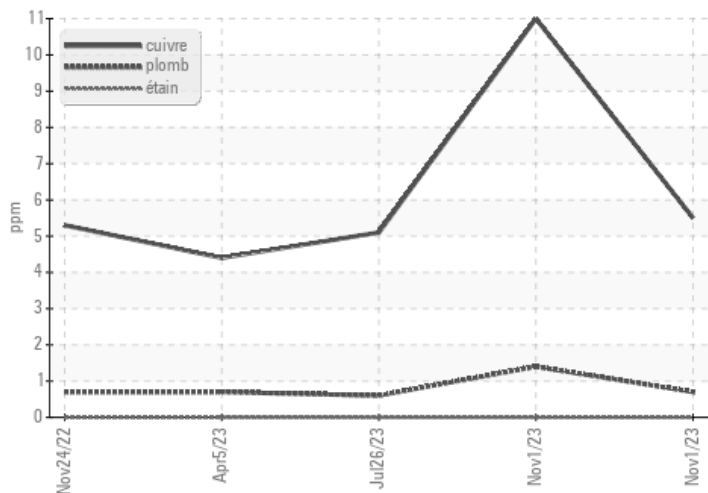


GRAPHS

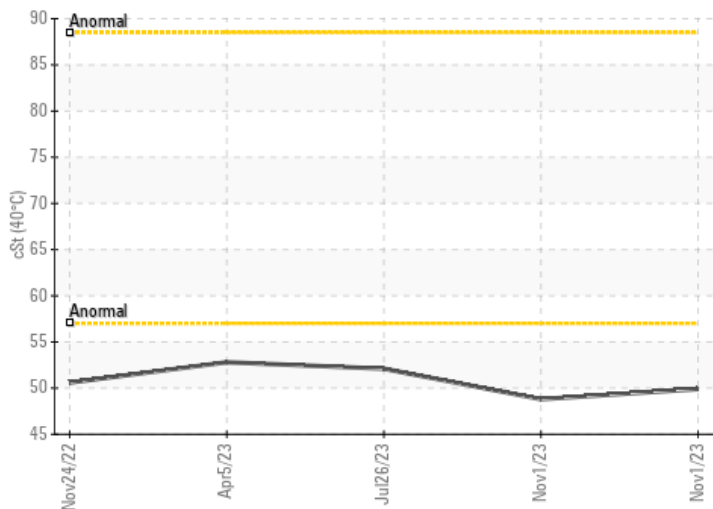
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

