

LIEBHERR

CONSTRUCTION EQUIPMENT



[(358696)] LIEBHERR R924LC 050422-1487 - Hydraulic System

Sample No: LH0296453

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Information sur l'échantillon

Numéro d'échant.	LH0296453	LH0278839	LH0279022	LH0274641
Date d'échant.	11 Jul 2024	10 Jan 2024	02 Nov 2023	10 Sep 2023
Heures de la Machine	5897	4848	4516	4043
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	SEVERE

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



État d'huile

Visc 40°C	cSt	41.2	41.8	42.7	41.3

T:
F:



Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		4510	9583	11405	1128
Particules >6µ		974	1972	3133	316
Particules >14µ		34	80	96	25
ISO 4406:1999 (c)		19/17/12	20/18/13	21/19/14	17/15/12
Silicium	ppm	4	4	5	8
Sodium	ppm	7	6	6	3
Potassium	ppm	<1	<1	0	<1

Diagnostic

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Copper and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Métaux d'usure

PQ		---	---	---	7
Fer	ppm	27	18	13	117
Cuivre	ppm	49	38	30	12
Plomb	ppm	7	6	5	1
Étain	ppm	2	2	1	0
Aluminium	ppm	<1	1	<1	<1
Chrome	ppm	3	2	1	3
Molybdène	ppm	0	0	2	0
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	<1	0	3	0
Argent	ppm	0	0	<1	<1
Manganèse	ppm	<1	0	0	2
Vanadium	ppm	0	0	0	0



Additifs

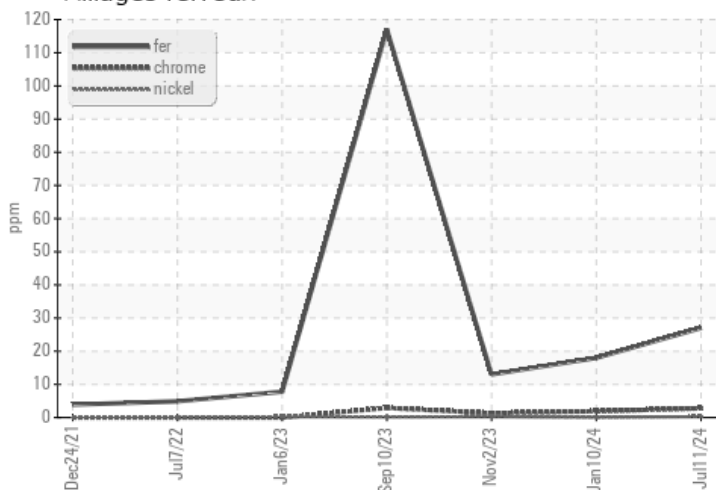
Calcium	ppm	909	917	992	992
Magnésium	ppm	9	9	57	3
Zinc	ppm	733	724	750	652
Phosphore	ppm	574	618	628	568
Baryum	ppm	<1	0	<1	<1
Bore	ppm	<1	<1	8	<1

Depot: SLEALM
Unique No: 5813716
Signed: Kevin Marson
Report Date: 18 Jul 2024

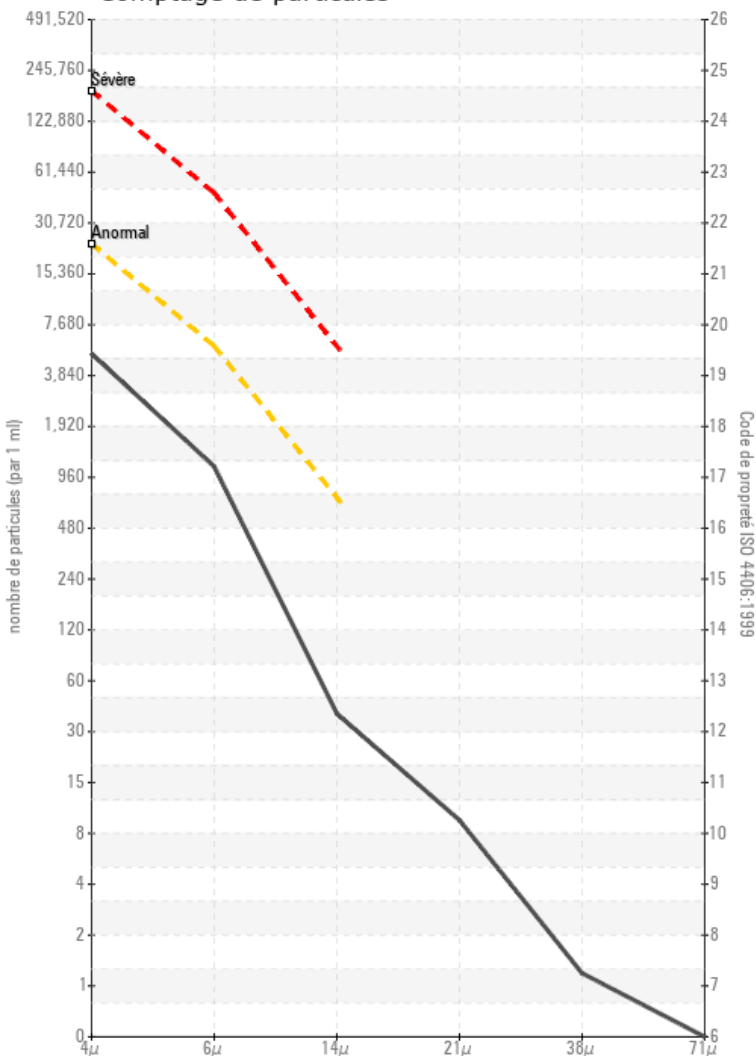


Graphs

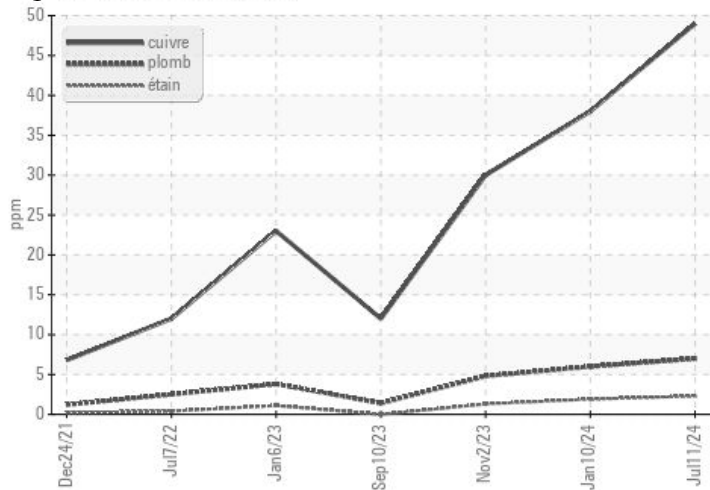
Alliages ferreux



Comptage de particules



Métaux non-ferreux



Viscosité 40°C

