

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340369)] LIEBHERR R920 045718-1705 - Hydraulic System

Sample No: LH0274849

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

CLOUTHIER VENTURES LTD.
59 MATTHEWS STREET, R.R. # 5
PEMBROKE, ON
CA K8A 0A6
Contact: Travis Bennett
tbennett@clouthierconst.com
T: (613)735-6531
F: (613)735-2769

Diagnostic

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Light concentration of visible metal present. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0274849	LH0251811	LH0242551	LH0178334
Date d'échant.		06 Oct 2023	14 Mar 2023	03 Nov 2022	18 Jul 2022
Heures de la Machine		4924	0	3329	2847
Heures de l'huile		0	0	0	0
Huile changée		Changed	Not Changd	Not Changd	Not Changd
Statut de l'échant.		ATTENTION	ABNORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	● 42.8	● 43.1	● 43.2	● 41.6
-----------	-----	--------	--------	--------	--------



CONTAMINATION

Particules >4μ		● 28266	● 6333	● 10986	● 2818
Particules >6μ		● 5887	● 1561	● 2187	● 533
Particules >14μ		● 111	● 72	● 108	● 35
ISO 4406:1999 (c)		22/20/14	20/18/13	21/18/14	19/16/12
Silicium	ppm	● 7	● 5	● 6	● 5
Sodium	ppm	● 3	● 3	● 3	● 3
Potassium	ppm	● <1	● <1	● <1	● <1



MÉTAUX D'USURE

Fer	ppm	● 12	● 10	● 11	● 9
Cuivre	ppm	● 7	● 6	● 6	● 5
Plomb	ppm	● 1	● 2	● 2	● 2
Étain	ppm	● 0	● 0	● <1	● 0
Aluminium	ppm	● <1	● <1	● 1	● <1
Chrome	ppm	● <1	● <1	● <1	● <1
Molybdène	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● 0	● <1	● <1
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	● 0	● <1	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIFS

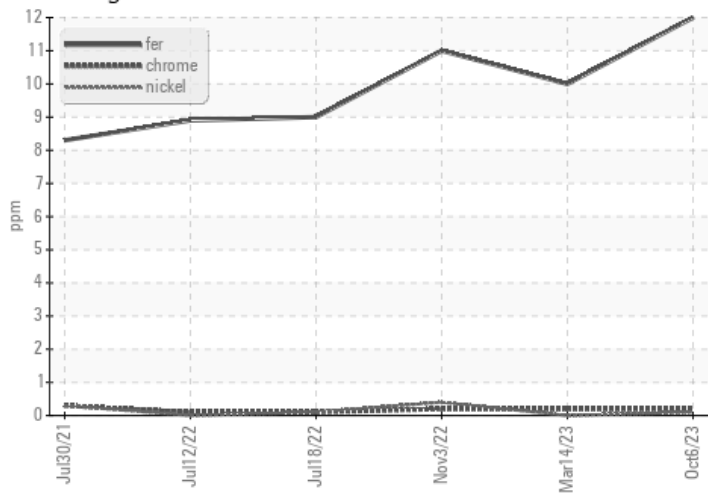
Calcium	ppm	1200	1314	1325	● 1318
Magnésium	ppm	● 6	● 6	● 6	● 6
Zinc	ppm	● 714	● 701	● 673	● 680
Phosphore	ppm	● 570	● 628	● 616	● 568
Baryum	ppm	● <1	● 0	● 0	● 0
Bore	ppm	● 2	● <1	● 1	● <1

Depot: CLOPEM
 Unique No: 5657707
 Signed: Kevin Marson
 Report Date: 16 Oct 2023

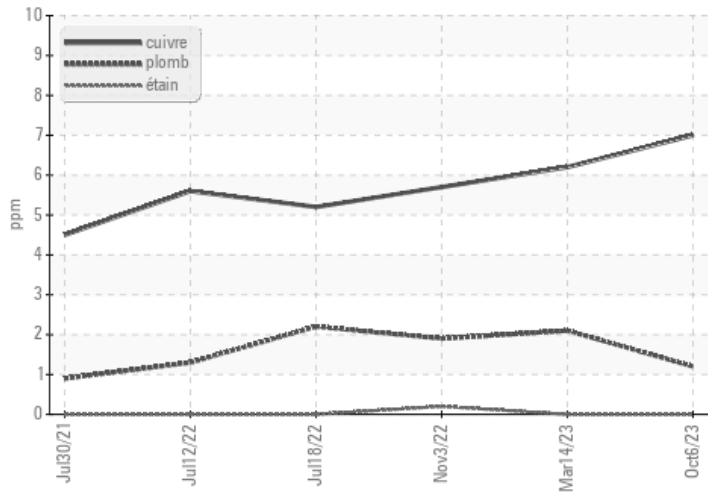


GRAPHS

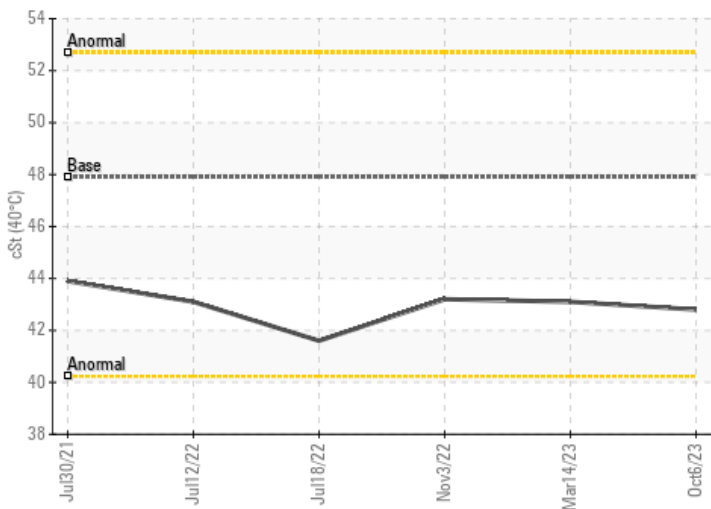
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

