

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R954C 023859 - Hydraulic System

Sample No: LH0289333

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Information sur l'échantillon

Numéro d'échant.	LH0289333	LH0278967	LH0251352	LH0195777
Date d'échant.	20 Jun 2024	07 Nov 2023	14 Mar 2023	13 Apr 2022
Heures de la Machine	22108	21581	21061	20026
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

Gerdau Ameristeel

55A Fenmar Drive

Toronto, ON

CA M9L 1M3

Contact: Liebherr Maintenance



État d'huile

Visc 40°C	cSt	39.1	40.6	39.9	35.8

T:

F:



Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		64273	5287	11362	8290
Particules >6µ		4308	75	1966	1498
Particules >14µ		106	4	63	82
ISO 4406:1999 (c)		23/19/14	20/13/9	21/18/13	20/18/14
Silicium	ppm	2	2	<1	<1
Sodium	ppm	1	2	<1	<1
Potassium	ppm	<1	4	<1	<1

Diagnostic

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Métaux d'usure

Fer	ppm	5	6	4	6
Cuivre	ppm	2	2	1	2
Plomb	ppm	0	<1	<1	0
Étain	ppm	0	0	0	<1
Aluminium	ppm	<1	<1	0	<1
Chrome	ppm	4	4	2	2
Molybdène	ppm	6	1	2	<1
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	<1
Manganèse	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	311	95	118	57
Magnésium	ppm	63	4	5	2
Zinc	ppm	585	457	475	506
Phosphore	ppm	484	373	427	424
Baryum	ppm	<1	<1	0	0
Bore	ppm	12	3	1	<1

Depot: GERTOR

Unique No: 5801898

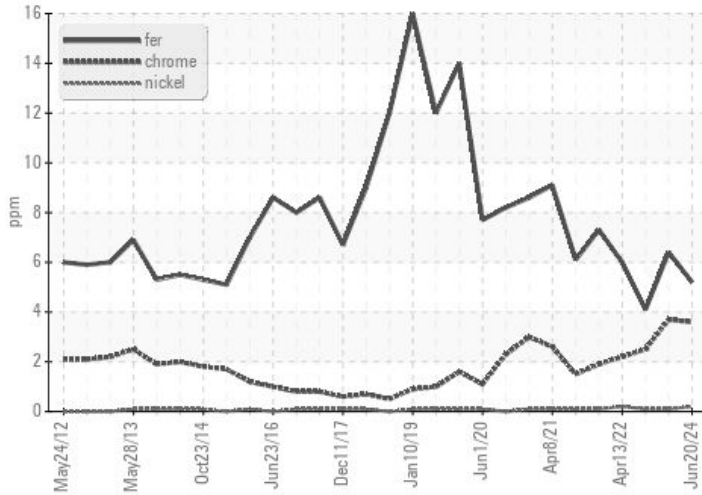
Signed: Kevin Marson

Report Date: 28 Jun 2024

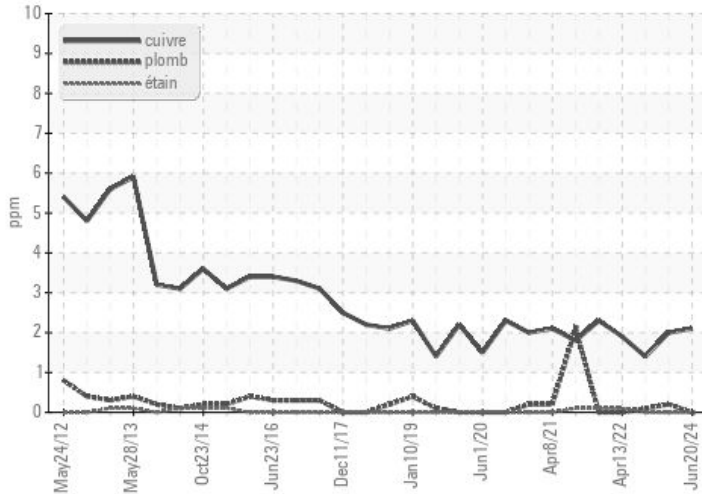


Graphs

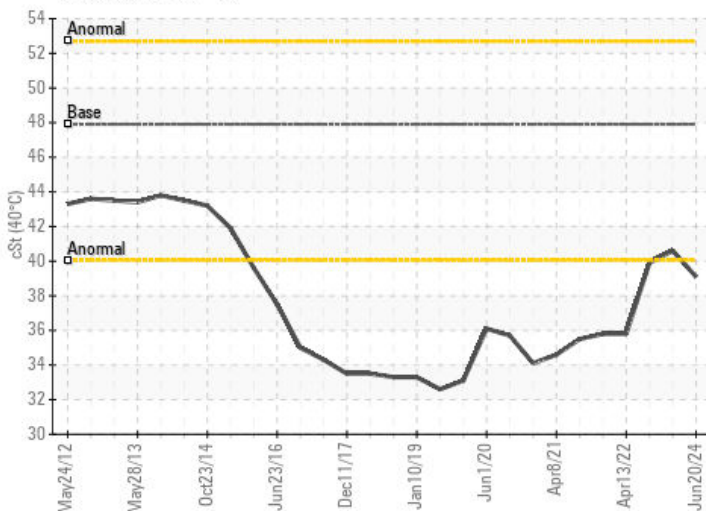
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

