

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R954C 023859 - Hydraulic System

Sample No: LH0278967

Oil Type: AW HYDRAULIC OIL ISO 46



Gerdau Ameristeel
55A Fenmar Drive
Toronto, ON
CA M9L 1M3
Contact: Liebherr Maintenance



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278967	LH0251352	LH0195777	LH0215816
Date d'échant.	07 Nov 2023	14 Mar 2023	13 Apr 2022	03 Dec 2021
Heures de la Machine	21581	21061	20026	19606
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	40.6	39.9	35.8	35.8



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		5287	11362	8290	9335
Particules >6µ		75	1966	1498	1075
Particules >14µ		4	63	82	29
ISO 4406:1999 (c)		20/13/9	21/18/13	20/18/14	20/17/12
Silicium	ppm	2	<1	<1	<1
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	4	<1	<1	0



MÉTAUX D'USURE

Fer	ppm	6	4	6	7
Cuivre	ppm	2	1	2	2
Plomb	ppm	<1	<1	0	0
Étain	ppm	0	0	<1	<1
Aluminium	ppm	<1	0	<1	<1
Chrome	ppm	4	2	2	2
Molybdène	ppm	1	2	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	<1	0
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	95	118	57	60
Magnésium	ppm	4	5	2	1
Zinc	ppm	457	475	506	525
Phosphore	ppm	373	427	424	444
Baryum	ppm	<1	0	0	0
Bore	ppm	3	1	<1	<1

T:
F:

Diagnostic

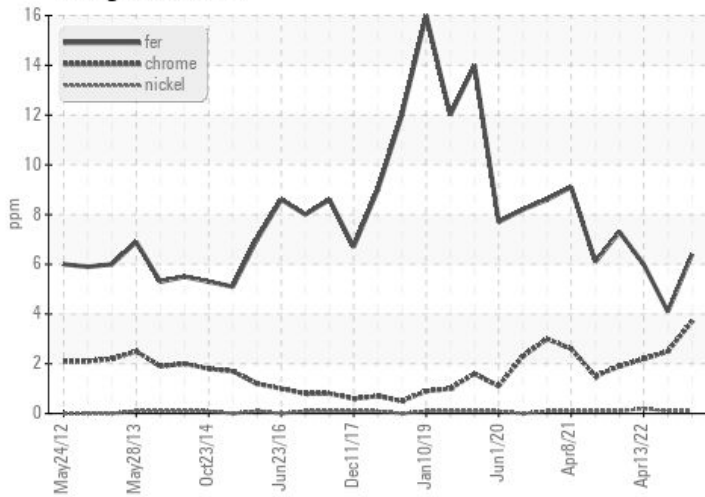
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: GERTOR
Unique No: 5694671
Signed: Wes Davis
Report Date: 08 Dec 2023

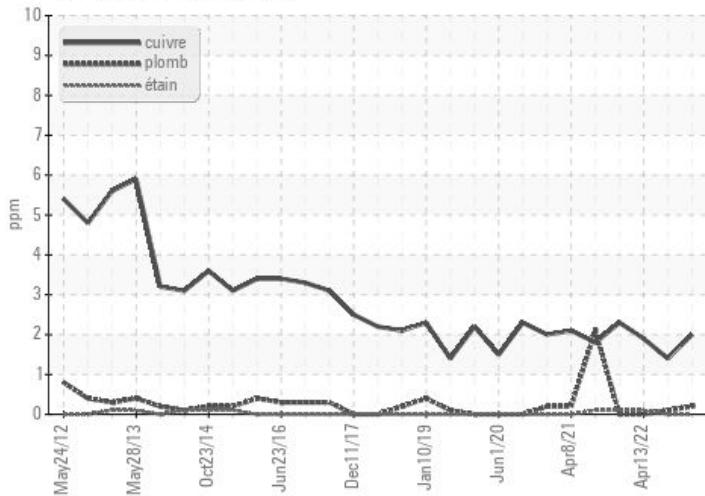


GRAPHS

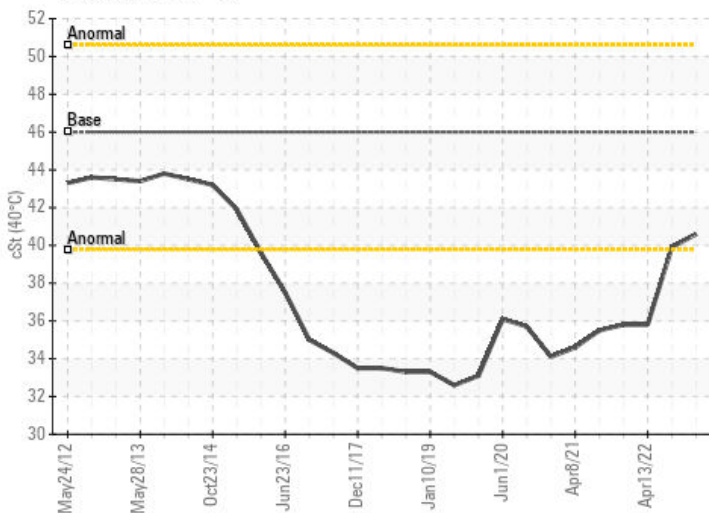
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

