



### LIEBHERR A944 043697 - Hydraulic System

Sample No: LH0289655

Oil Type: AW HYDRAULIC OIL ISO 46



#### Information sur l'échantillon

Numéro d'échant.	LH0289655	LH0277791	LH0274661	LH0093339
Date d'échant.	10 Jun 2024	20 Nov 2023	23 Aug 2023	04 Sep 2015
Heures de la Machine	22785	22174	21803	10007
Heures de l'huile	0	0	0	0
Huile changée	Changed	Not Changd	Not Changd	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	ATTENTION	NORMAL

**GERDAU AMERISTEEL**  
2025 RIVER RD.  
LONDON, ON  
CA N5W 6C4  
Contact: Scott MacDonald



#### État d'huile

Visc 40°C	cSt	44.4	46.8	47.6	43.9

T: (519)455-4639  
F: (519)451-3623



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Particules >4µ		60313	117006	20704	1110
Particules >6µ		17497	37123	4195	89
Particules >14µ		1508	1165	311	4
ISO 4406:1999 (c)		23/21/18	24/22/17	22/19/15	17/14/9
Silicium	ppm	<1	2	1	1
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	<1	0	<1	<1

#### Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### Métaux d'usure

Fer	ppm	10	13	12	10
Cuivre	ppm	2	2	2	3
Plomb	ppm	0	0	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	4	8	8	3
Molybdène	ppm	45	30	<1	<1
Nickel	ppm	0	0	<1	0
Titane	ppm	0	0	0	<1
Argent	ppm	0	<1	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### Additifs

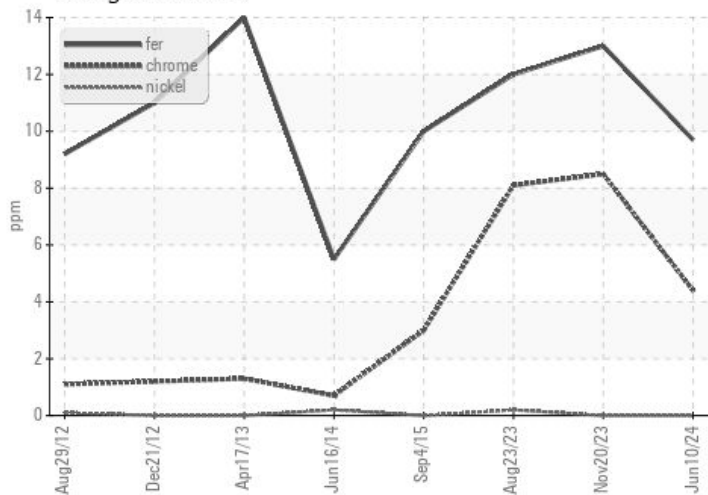
Calcium	ppm	82	78	84	68
Magnésium	ppm	4	4	5	2
Zinc	ppm	536	424	432	365
Phosphore	ppm	453	358	367	295
Baryum	ppm	0	<1	0	0
Bore	ppm	<1	<1	<1	<1

Depot: GER202LON  
Unique No: 5798708  
Signed: Kevin Marson  
Report Date: 12 Jun 2024

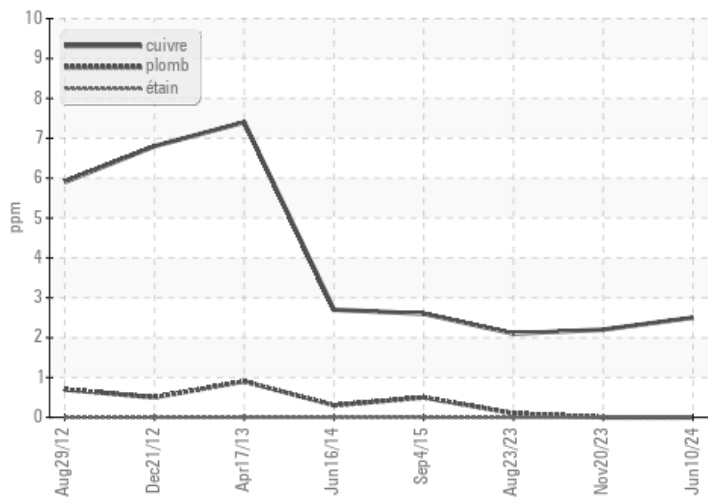


### Graphs

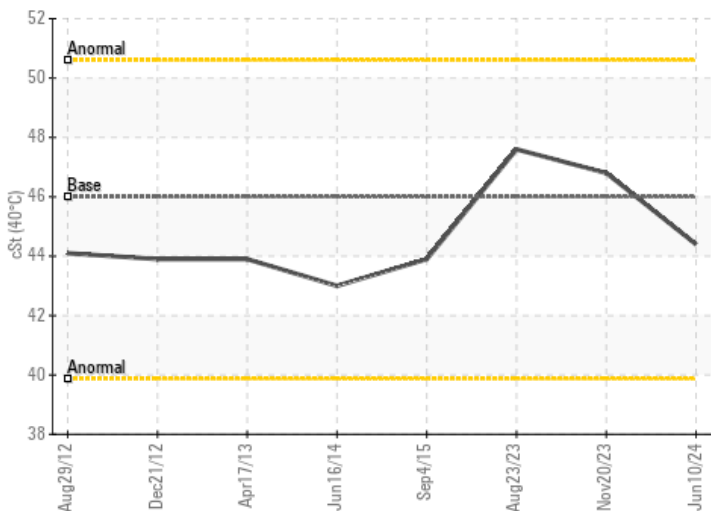
#### Alliages ferreux



#### Métaux non-ferreux



#### Viscosité 40°C



#### Comptage de particules

