

LIEBHERR

CONSTRUCTION EQUIPMENT



[FRAM ENTERPRISES] LIEBHERR A900 038013 - Hydraulic Sys

Sample No: LH0269615

Oil Type: {unknown}



Sample Information

Sample Number	LH0269615	LH0287894	---	---
Sample Date	18 Apr 2024	18 Apr 2024	---	---
Machine Hours	11352	11352	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---

LIEBHERR CANADA

10 LYNDS AVENUE
 MONCTON, NB
 CA E1H 3K2
 Contact: Bryan Wood
 bryan.wood@liebherr.com
 T:
 F: (506)854-2940



Oil Condition

Visc @ 40°C	cSt	42.8	42.8	---	---
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Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		27242	18112	---	---
Particles >6µm		1471	971	---	---
Particles >14µm		26	79	---	---
ISO 4406:1999 (c)		22/18/12	21/17/13	---	---
Silicon	ppm	7	6	---	---
Sodium	ppm	5	5	---	---
Potassium	ppm	2	2	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	13	13	---	---
Copper	ppm	6	6	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	3	3	---	---
Chromium	ppm	4	4	---	---
Molybdenum	ppm	17	17	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



Additives

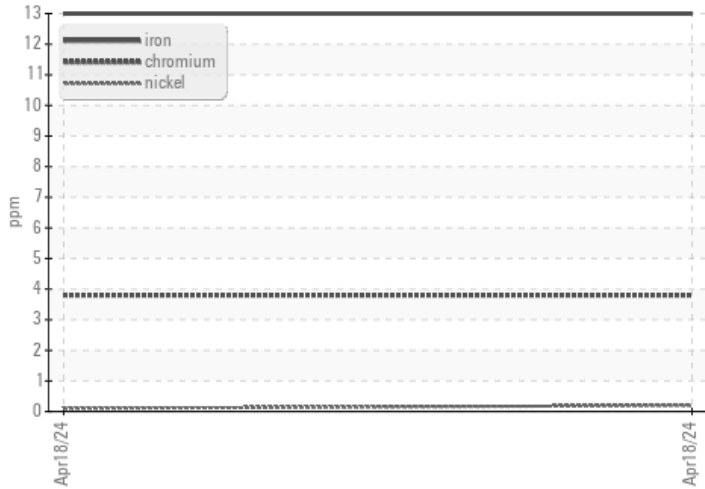
Calcium	ppm	610	605	---	---
Magnesium	ppm	229	228	---	---
Zinc	ppm	729	725	---	---
Phosphorus	ppm	655	644	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	40	39	---	---

Depot: LIEMON
 Unique No: 5763744
 Signed: Wes Davis
 Report Date: 23 Apr 2024

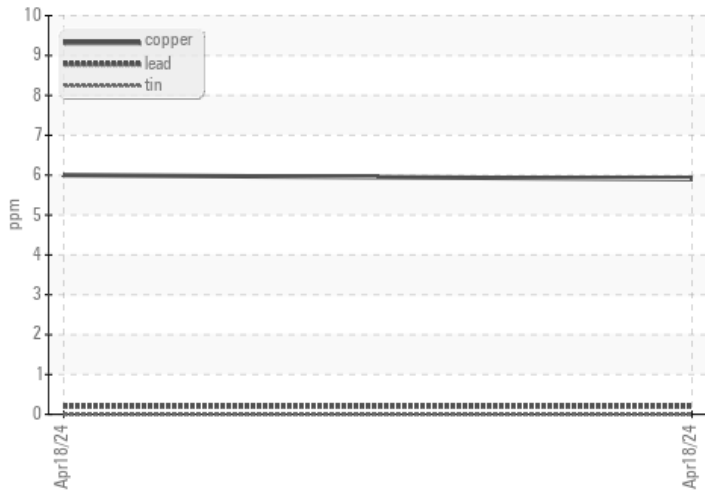


Graphs

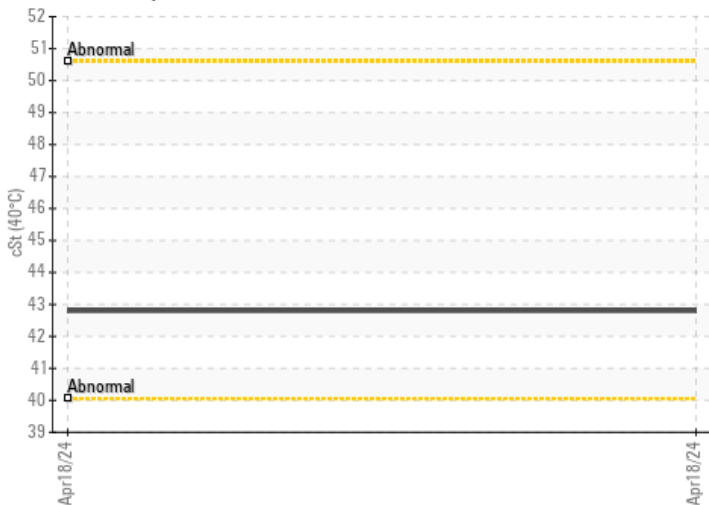
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

