

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068730 - Hydraulic System

Sample No: LH0276305

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0276305	LH0285021	LH0266076	LH0261570
Sample Date	01 Apr 2024	11 Feb 2024	23 Jun 2023	09 May 2023
Machine Hours	9000	8094	5380	4658
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CGC INC
 55 THIRD LINE RD
 HAGERSVILLE, ON
 CA N0A 1H0
 Contact: Mike Otterman
 motterman@cgcinc.com
 T: (905)768-2038
 F:



OIL CONDITION

Visc @ 40°C	cSt	46.5	44.7	43.4	44.3



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		19213	2107	6558	7171
Particles >6µm		3865	161	618	1103
Particles >14µm		91	13	54	14
ISO 4406:1999 (c)		21/19/14	18/15/11	20/16/13	20/17/11
Silicon	ppm	0	2	5	4
Sodium	ppm	0	0	<1	<1
Potassium	ppm	0	<1	<1	<1

Diagnosis

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. 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.



WEAR METALS

Iron	ppm	0	5	12	10
Copper	ppm	0	<1	2	1
Lead	ppm	0	1	5	4
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

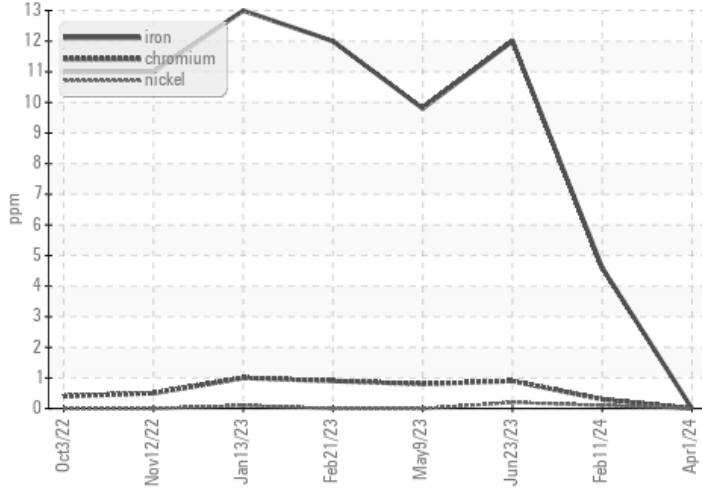
Calcium	ppm	100	187	544	560
Magnesium	ppm	<1	1	3	3
Zinc	ppm	823	884	771	766
Phosphorus	ppm	629	714	666	669
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	1	<1

Depot: CGCHAG
Unique No: 5759242
Signed: Wes Davis
Report Date: 03 Apr 2024

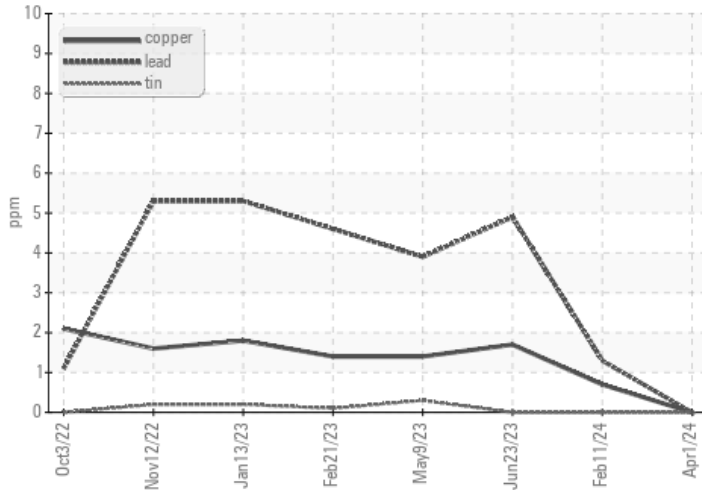


GRAPHS

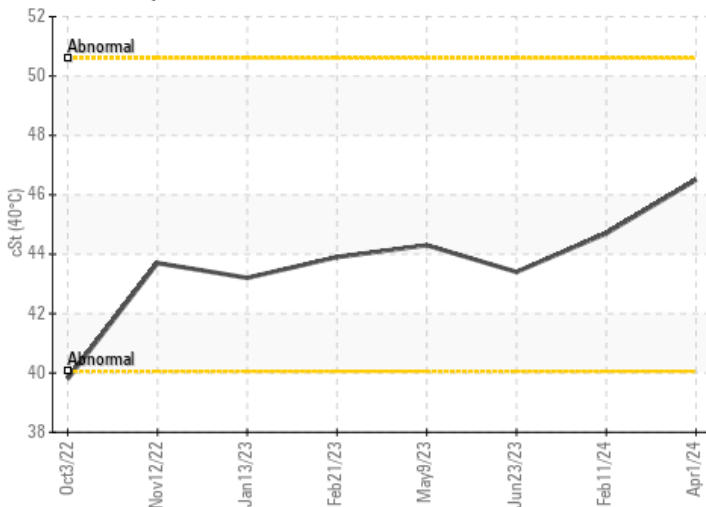
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

