LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR L586 068730 - Hydraulic System

Sample No: LH0266076

Oil Type: NOT GIVEN

CGC INC
55 THIRD LINE RD
HAGERSVILLE, ON
CA N0A 1H0
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SAMPLE INFORMATION

Sample Number		**LH0266076**	LH0261570	LH0247056	LH0251480
Sample Date		**23 Jun 2023**	09 May 2023	21 Feb 2023	13 Jan 2023
Machine Hours		**5380**	4658	4125	3543
Oil Hours		**0**	0	0	0
Oil Changed		**Changed**	Not Changd	Not Changd	Not Changd
Sample Status		**NORMAL**	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**43.4**	44.3	43.9	43.2

CONTAMINATION

Particles >4µm		**6558**	7171	10327	6439
Particles >6µm		**618**	1103	2826	203
Particles >14µm		**54**	14	170	12
ISO 4406:1999 (c)		**20/16/13**	20/17/11	21/19/15	20/15/11
Silicon	ppm	**5**	4	5	6
Sodium	ppm	**<1**	<1	<1	<1
Potassium	ppm	**<1**	<1	<1	<1

WEAR METALS

Iron	ppm	**12**	10	12	13
Copper	ppm	**2**	1	1	2
Lead	ppm	**5**	4	5	5
Tin	ppm	**0**	<1	<1	<1
Aluminum	ppm	**2**	2	2	2
Chromium	ppm	**<1**	<1	<1	1
Molybdenum	ppm	**0**	0	0	0
Nickel	ppm	**<1**	0	0	<1
Titanium	ppm	**0**	<1	<1	<1
Silver	ppm	**0**	0	0	0
Manganese	ppm	**0**	<1	<1	<1
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**544**	560	757	899
Magnesium	ppm	**3**	3	4	4
Zinc	ppm	**771**	766	759	749
Phosphorus	ppm	**666**	669	689	667
Barium	ppm	**0**	0	0	0
Boron	ppm	**1**	<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.

Depot: CGCHAG
Unique No: 5604374
Signed: Wes Davis
Report Date: 30 Jun 2023

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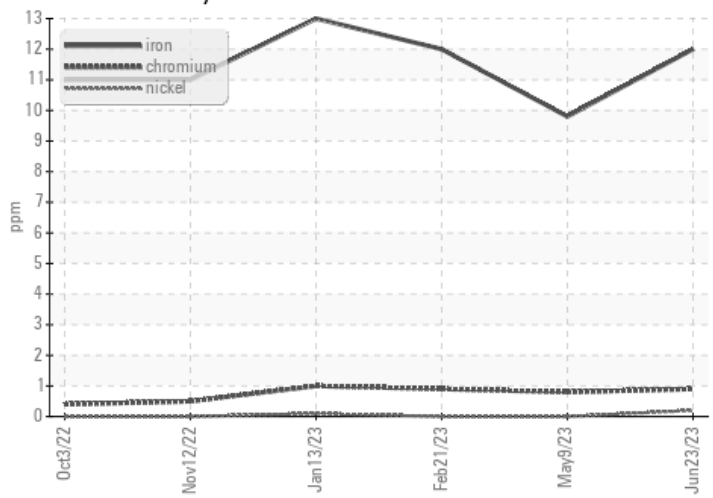
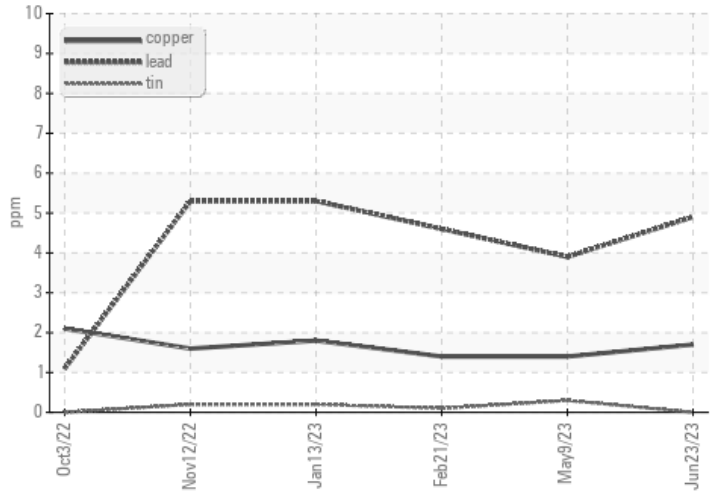
GRAPHS

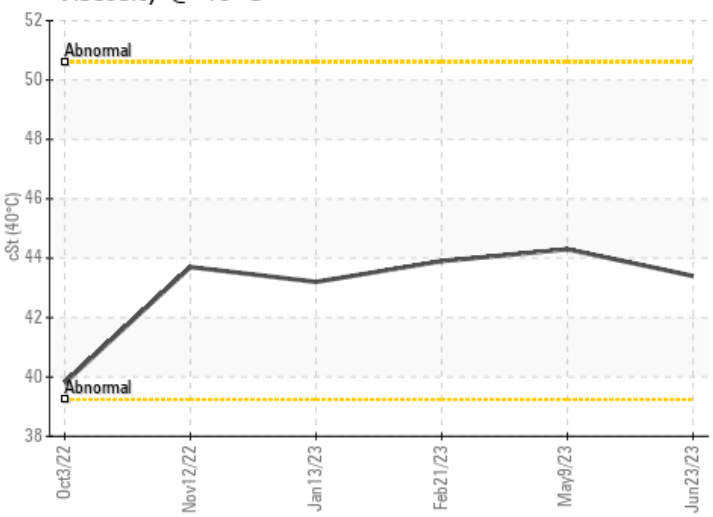
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count