

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363344)] LIEBHERR LH40C 135581-1527 - Hydraulic System

Sample No: LH0265823
 Oil Type: NOT GIVEN



CANADA IRON AND METAL CO. LTD.
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SAMPLE INFORMATION

Sample Number	LH0265823	LH0256853	LH0251904	LH0242647
Sample Date	27 Jun 2023	05 Apr 2023	12 Jan 2023	05 Oct 2022
Machine Hours	3831	3230	2648	1988
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	40.4	40.9	42.4	42.9
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CONTAMINATION

Particles >4µm	1710	354	1280	458
Particles >6µm	499	90	453	93
Particles >14µm	46	5	69	6
ISO 4406:1999 (c)	18/16/13	16/14/10	17/16/13	16/14/10
Silicon ppm	3	3	3	3
Sodium ppm	2	1	2	2
Potassium ppm	<1	0	<1	<1



WEAR METALS

Iron ppm	21	14	15	15
Copper ppm	3	2	2	2
Lead ppm	<1	<1	<1	<1
Tin ppm	0	0	0	0
Aluminum ppm	<1	<1	<1	<1
Chromium ppm	<1	0	0	0
Molybdenum ppm	0	0	0	0
Nickel ppm	0	0	0	0
Titanium ppm	0	0	0	0
Silver ppm	<1	0	0	0
Manganese ppm	<1	<1	<1	<1
Vanadium ppm	0	0	0	0



ADDITIVES

Calcium ppm	830	940	1054	1096
Magnesium ppm	3	2	3	2
Zinc ppm	586	592	619	639
Phosphorus ppm	532	564	576	603
Barium ppm	0	0	0	0
Boron ppm	2	<1	<1	<1

Diagnosis

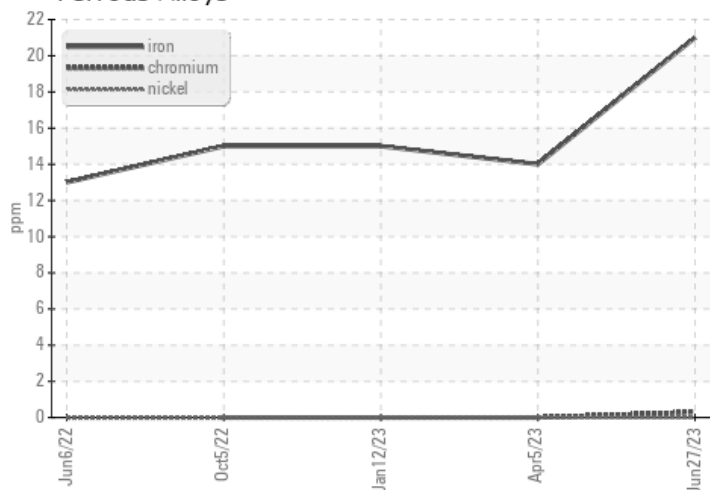
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition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

Depot: CAN353TOR
 Unique No: 5604415
 Signed: Wes Davis
 Report Date: 30 Jun 2023

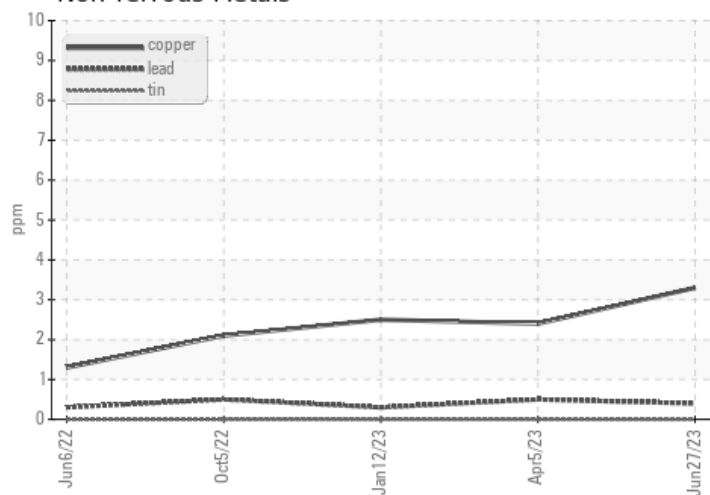


GRAPHS

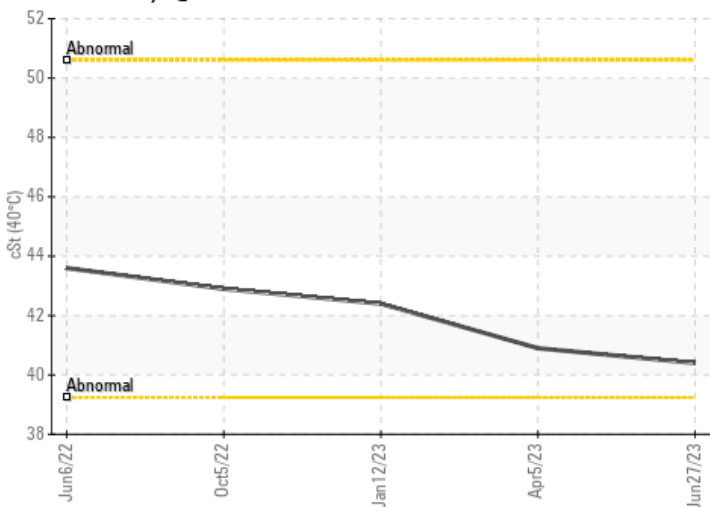
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

