

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0270110
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270110	LH0265823	LH0256853	LH0251904
Sample Date	25 Sep 2023	27 Jun 2023	05 Apr 2023	12 Jan 2023
Machine Hours	4405	3831	3230	2648
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
 3534 DUNDAS STREET WEST
 TORONTO, ON
 CA M6S 2S1
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OIL CONDITION

Visc @ 40°C	cSt	39.7	40.4	40.9	42.4



CONTAMINATION

Particles >4µm		959	1710	354	1280
Particles >6µm		280	499	90	453
Particles >14µm		28	46	5	69
ISO 4406:1999 (c)		17/15/12	18/16/13	16/14/10	17/16/13
Silicon	ppm	3	3	3	3
Sodium	ppm	2	2	1	2
Potassium	ppm	<1	<1	0	<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	36	21	14	15
Copper	ppm	4	3	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

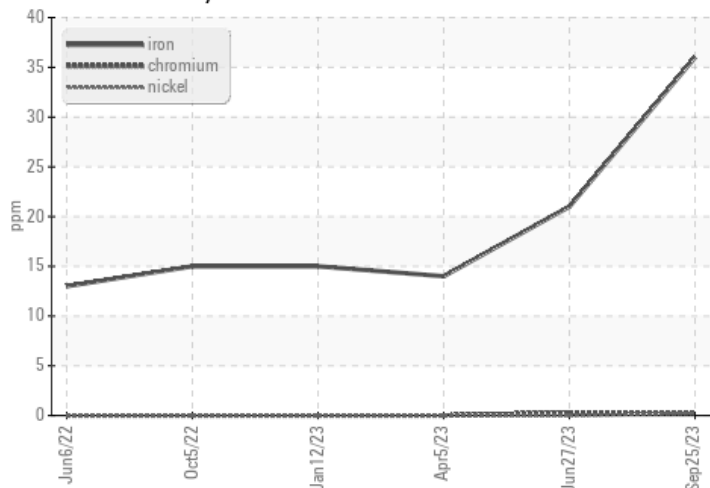
Calcium	ppm	821	830	940	1054
Magnesium	ppm	2	3	2	3
Zinc	ppm	592	586	592	619
Phosphorus	ppm	500	532	564	576
Barium	ppm	<1	0	0	0
Boron	ppm	2	2	<1	<1

Depot: CAN353TOR
 Unique No: 5646325
 Signed: Wes Davis
 Report Date: 27 Sep 2023

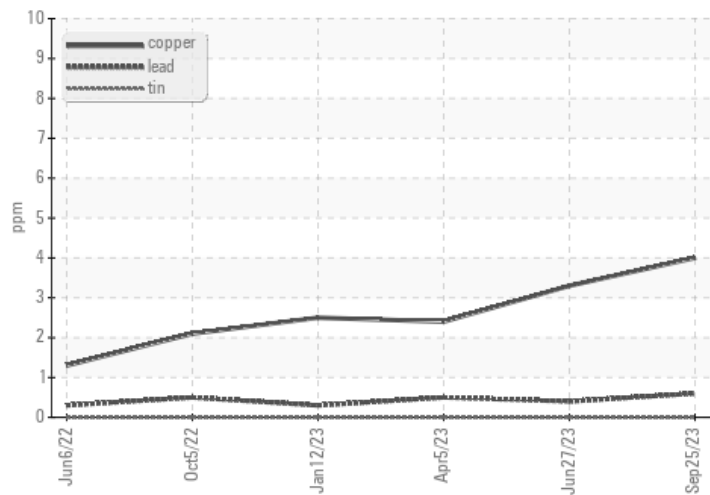


GRAPHS

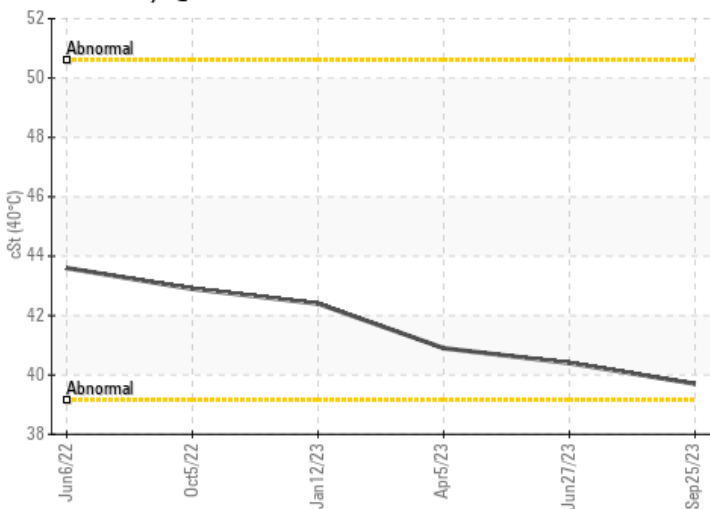
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

