

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0278732

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278732	LH0277660	LH0270110	LH0265823
Sample Date	15 Feb 2024	07 Dec 2023	25 Sep 2023	27 Jun 2023
Machine Hours	5458	4925	4405	3831
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	N/A	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
 3534 DUNDAS STREET WEST
 TORONTO, ON
 CA M6S 2S1
 Contact: Joshua Kiminisky
 josh@canadairon.com
 T:
 F: (416)762-1808



OIL CONDITION

Visc @ 40°C	cSt	41.2	39.4	39.7	40.4



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2496	63278	959	1710
Particles >6µm		662	22230	280	499
Particles >14µm		44	1566	28	46
ISO 4406:1999 (c)		18/17/13	23/22/18	17/15/12	18/16/13
Silicon	ppm	2	4	3	3
Sodium	ppm	1	2	2	2
Potassium	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.



WEAR METALS

Iron	ppm	28	42	36	21
Copper	ppm	3	5	4	3
Lead	ppm	<1	1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

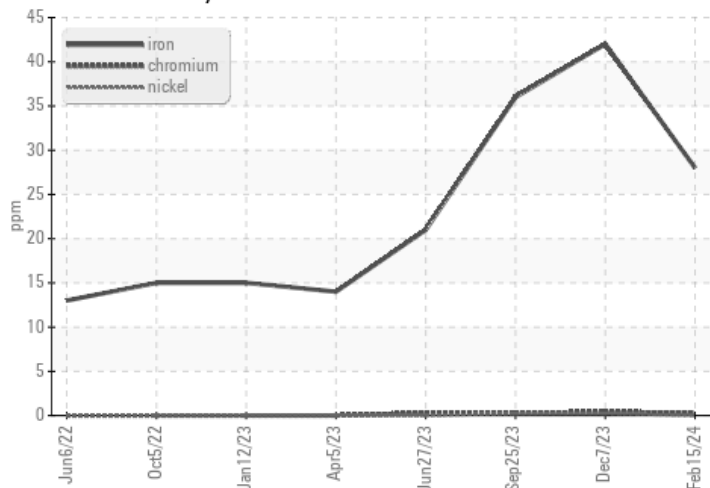
Calcium	ppm	519	804	821	830
Magnesium	ppm	2	2	2	3
Zinc	ppm	664	589	592	586
Phosphorus	ppm	552	469	500	532
Barium	ppm	0	<1	<1	0
Boron	ppm	<1	<1	2	2

Depot: CAN353TOR
 Unique No: 5733403
 Signed: Wes Davis
 Report Date: 20 Feb 2024

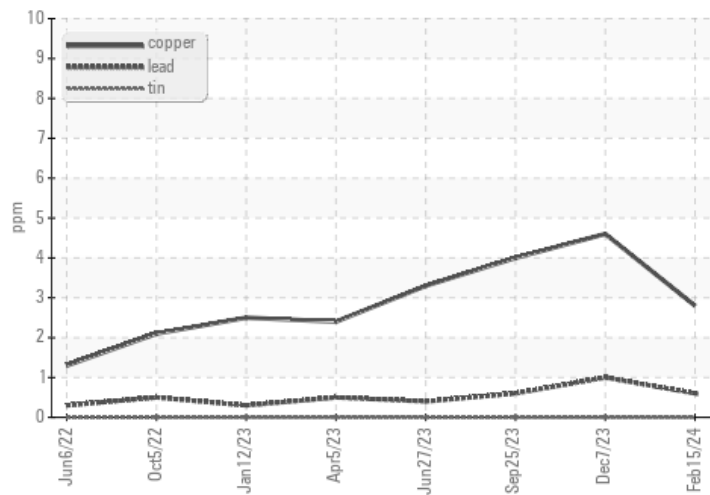


GRAPHS

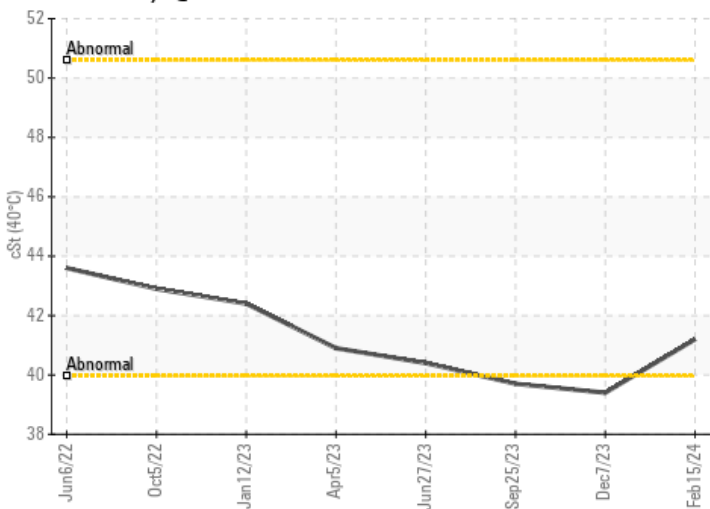
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

