

LIEBHERR

CONSTRUCTION EQUIPMENT



[(369351)] LIEBHERR LH40C 136712-1527 - Hydraulic System

Sample No: LH0281040

Oil Type: {unknown}



RICHMOND STEEL RECYCLING
 1004 EASTERN STREET
 PRINCE GEORGE, BC
 CA V2N 2K8
 Contact: Service Manager



Sample Information

Sample Number	LH0281040	LH0241978	LH0246954	LH0238734
Sample Date	22 Mar 2024	05 Nov 2023	18 Jan 2023	11 Aug 2022
Machine Hours	2530	2040	1000	506
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	39.0	38.2	40.5	42.9



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		17158	4649	5758	5102
Particles >6µm		4096	679	1000	443
Particles >14µm		164	27	53	32
ISO 4406:1999 (c)		21/19/15	19/17/12	20/17/13	20/16/12
Silicon	ppm	3	4	4	3
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	<1	<1



Wear Metals

Iron	ppm	8	8	6	5
Copper	ppm	9	5	4	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1113	1063	1236	1264
Magnesium	ppm	3	3	3	3
Zinc	ppm	643	628	665	640
Phosphorus	ppm	552	540	635	630
Barium	ppm	0	<1	0	0
Boron	ppm	<1	<1	<1	<1

T:
F:

Diagnosis

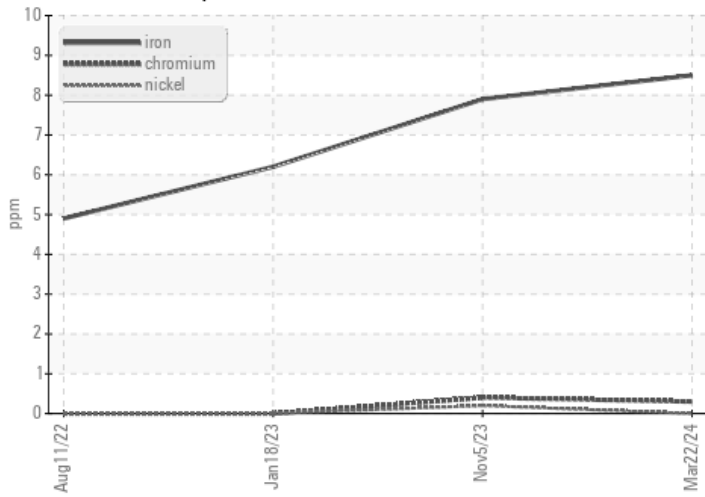
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition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

Depot: RIC100PRI
 Unique No: 5762004
 Signed: Wes Davis
 Report Date: 16 Apr 2024

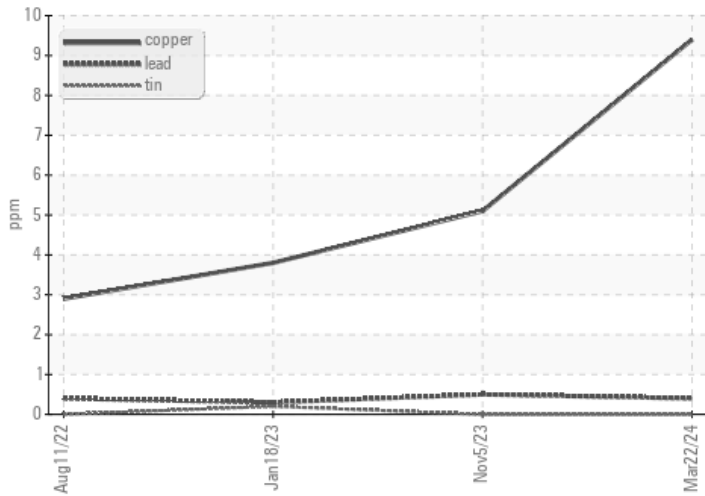


Graphs

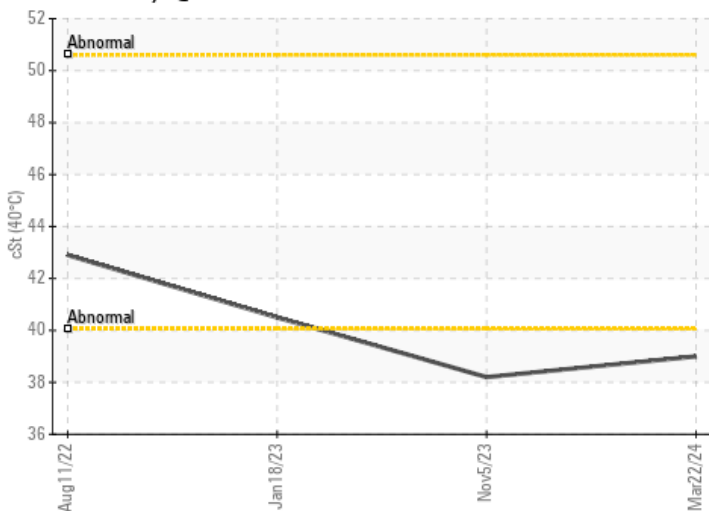
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

