

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 094197-1216 - Hydraulic System

Sample No: LH0279120

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0279120	LH0251213	LH0215584	LH0225152
Sample Date	05 Feb 2024	13 Mar 2023	01 Dec 2022	06 Oct 2022
Machine Hours	0	22266	21572	21039
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

INDUSTRIES GDS INC.

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VILLE-DEGELIS, QC
CA G5T 1R1
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F:



OIL CONDITION

Visc @ 40°C	cSt	40.8	43.6	43.9	43.3



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		4997	2415	2107	3889
Particles >6µm		1336	762	587	986
Particles >14µm		75	76	48	55
ISO 4406:1999 (c)		19/18/13	18/17/13	18/16/13	19/17/13
Silicon	ppm	2	2	1	2
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	<1	<1	0	0

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	14	16	13	17
Copper	ppm	<1	1	1	1
Lead	ppm	<1	<1	0	0
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	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	558	139	151	164
Magnesium	ppm	3	1	2	1
Zinc	ppm	878	783	802	785
Phosphorus	ppm	719	662	689	684
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: INDVIL
Unique No: 5734543
Signed: Wes Davis
Report Date: 23 Feb 2024

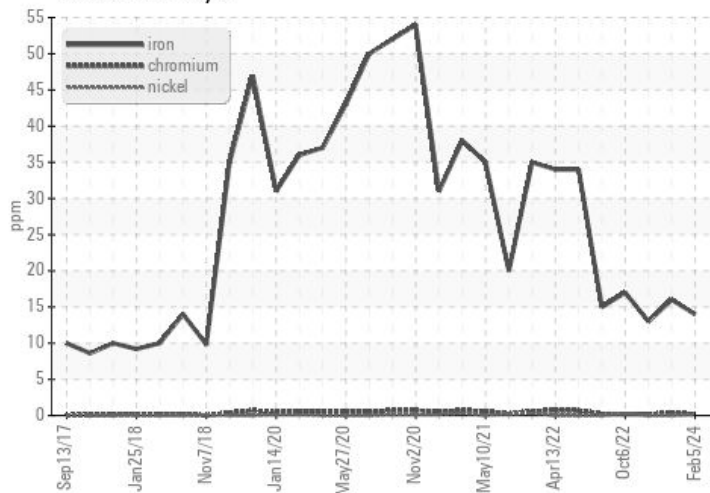
LIEBHERR

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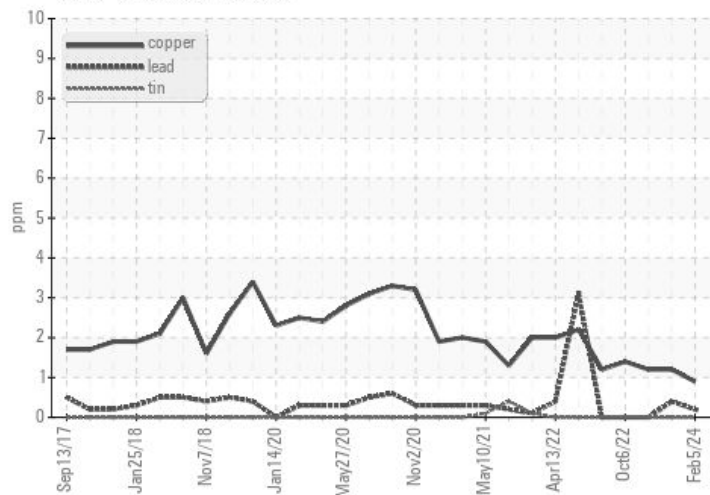


GRAPHS

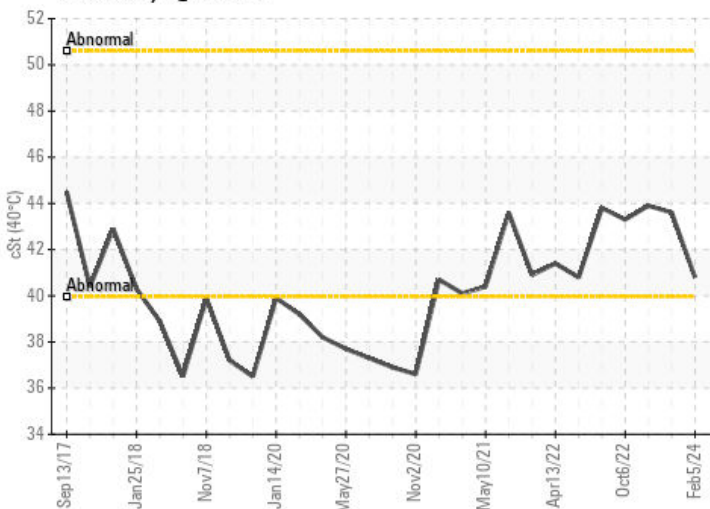
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

