

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336347)] LIEBHERR LH30C126039-1526 - Hydraulic System

Sample No: LH0188347
Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0188347	LH	LH	LH0188329
Sample Date	24 Nov 2023	17 Aug 2023	25 May 2023	14 Oct 2022
Machine Hours	500	1500	5000	4000
Oil Hours	0	0	1000	0
Oil Changed	Changed	N/A	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

National Salvage Ltd.
206-33 Street N
Lethbridge, AB
CA T1H 3Z5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	29.7	30.1	29.3	39.3
Acid Number (AN)	mg KOH/g	0.83	---	---	1.37

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5062	6361	10656	1286
Particles >6µm		706	1732	2071	301
Particles >14µm		21	162	41	24
ISO 4406:1999 (c)		20/17/12	20/18/15	21/18/13	17/15/12
Silicon	ppm	2	2	2	2
Sodium	ppm	2	2	1	2
Potassium	ppm	<1	1	<1	<1

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

PQ		5	0	---	0
Iron	ppm	61	53	42	80
Copper	ppm	4	4	3	6
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	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	533	561	596	1306
Magnesium	ppm	8	8	7	8
Zinc	ppm	511	539	533	660
Phosphorus	ppm	428	461	480	615
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: NATLET
Unique No: 5684818
Signed: Kevin Marson
Report Date: 01 Dec 2023

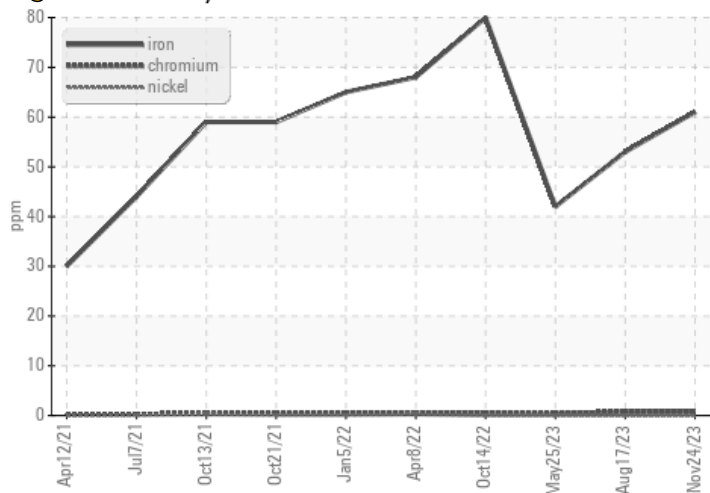
LIEBHERR

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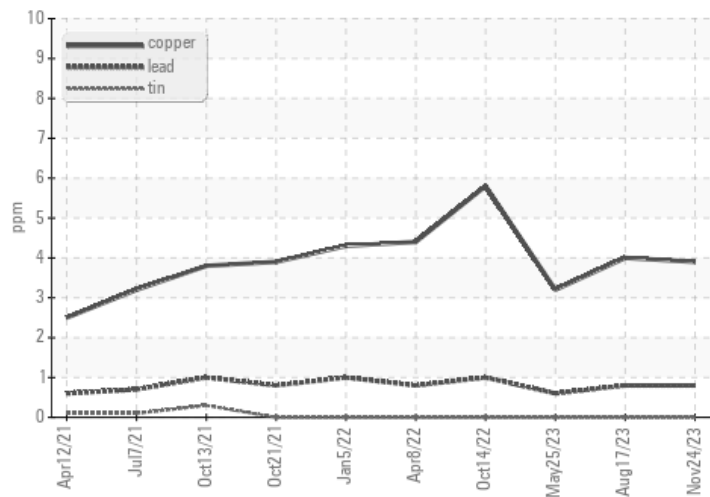


GRAPHS

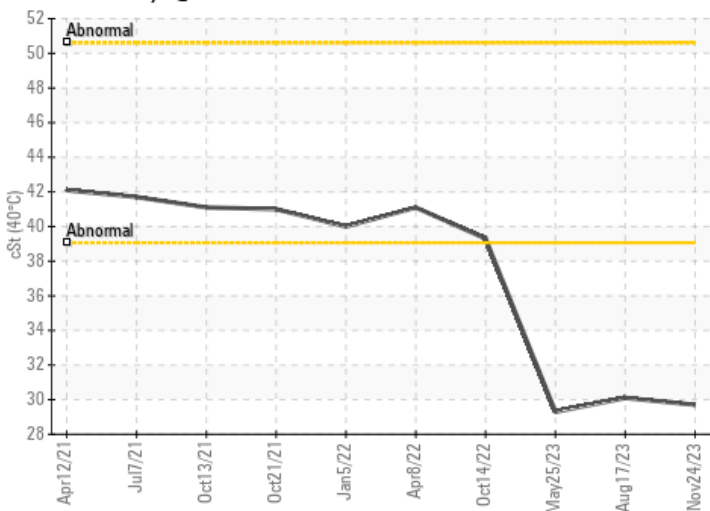
● Ferrous Alloys



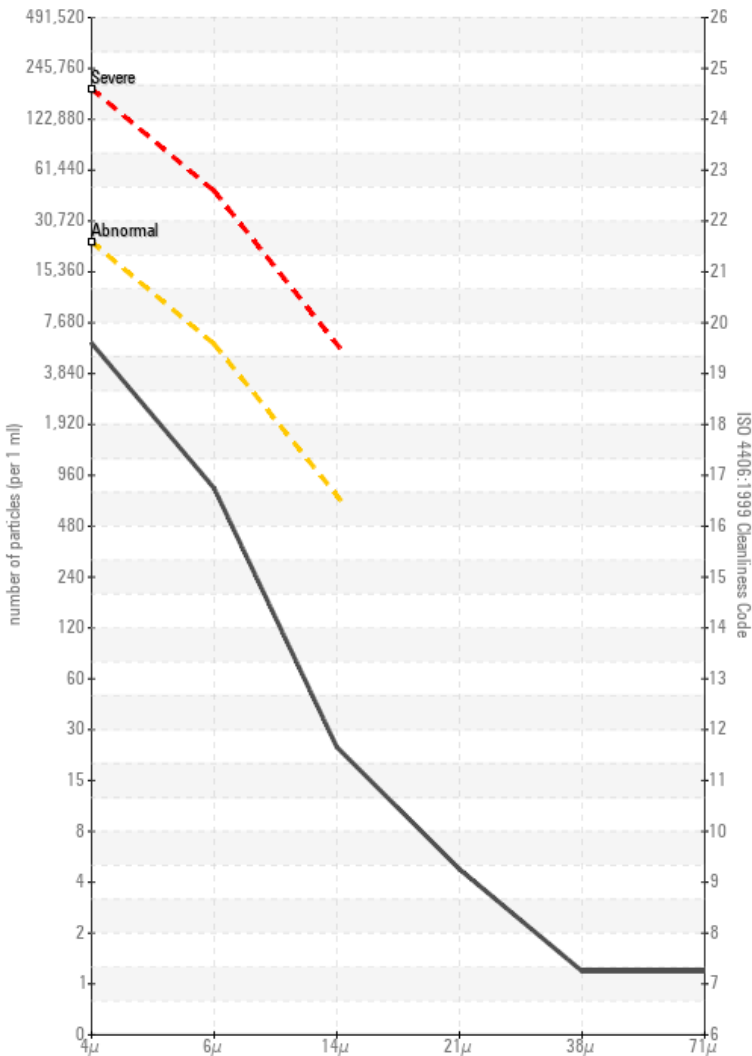
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

