

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 135986 - Hydraulic System

Sample No: LH
 Oil Type: NOT GIVEN



Sample Information

Sample Number	LH	LH0278490	LH	LH0265908
Sample Date	07 May 2024	22 Dec 2023	04 Oct 2023	26 Jun 2023
Machine Hours	4737	3966	0	0
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	ABNORMAL	ATTENTION	NORMAL	NORMAL

Industrial Metals

550 Messier St.
 Winnipeg, MB
 CA R2J 0G5
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	41.3	41.2	42.0	41.8
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T:
 F:



Contamination

Water	%	NEG	0.038	NEG	NEG
Particles >4µm		27421	21744	10953	7891
Particles >6µm		9643	6317	3664	2483
Particles >14µm		613	398	264	186
ISO 4406:1999 (c)		22/20/16	22/20/16	21/19/15	20/18/15
Silicon	ppm	2	2	2	2
Sodium	ppm	4	8	4	4
Potassium	ppm	<1	0	<1	<1

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.



Wear Metals

Iron	ppm	19	18	19	18
Copper	ppm	7	6	6	6
Lead	ppm	<1	4	2	<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	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

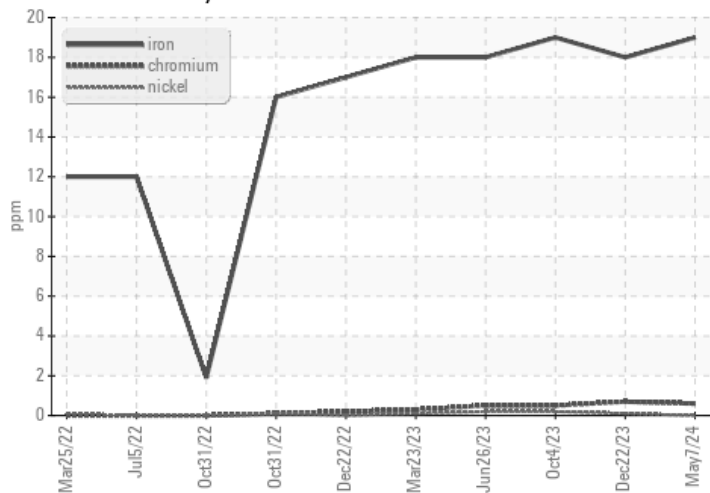
Calcium	ppm	1251	1259	1296	1335
Magnesium	ppm	6	5	5	5
Zinc	ppm	710	670	710	712
Phosphorus	ppm	581	584	593	629
Barium	ppm	<1	0	<1	0
Boron	ppm	<1	1	1	<1

Depot: IND550WIN
 Unique No: 5775732
 Signed: Kevin Marson
 Report Date: 13 May 2024

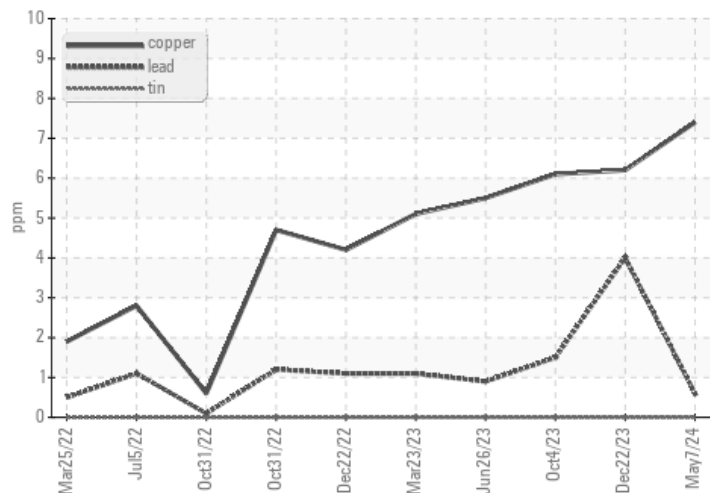


Graphs

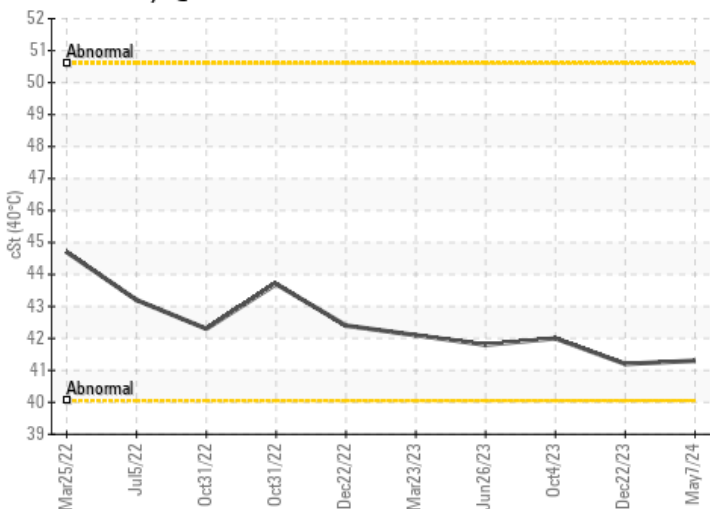
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

