

LIEBHERR

CONSTRUCTION EQUIPMENT



[[20230600]] LIEBHERR LH30M 135986 - Hydraulic System

Sample No: LH0278490

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278490	LH	LH0265908	LH
Sample Date	22 Dec 2023	04 Oct 2023	26 Jun 2023	23 Mar 2023
Machine Hours	3966	0	0	2500
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	N/A	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

Industrial Metals

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



OIL CONDITION

Visc @ 40°C	cSt	41.2	42.0	41.8	42.1
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T:
F:



CONTAMINATION

Water	%	0.038	NEG	NEG	0.037
Particles >4µm		21744	10953	7891	25787
Particles >6µm		6317	3664	2483	7931
Particles >14µm		398	264	186	694
ISO 4406:1999 (c)		22/20/16	21/19/15	20/18/15	22/20/17
Silicon	ppm	2	2	2	2
Sodium	ppm	8	4	4	4
Potassium	ppm	0	<1	<1	<1

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Lead ppm levels are marginal. All other component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	19	18	18
Copper	ppm	6	6	6	5
Lead	ppm	4	2	<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	<1	<1	<1	<1
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

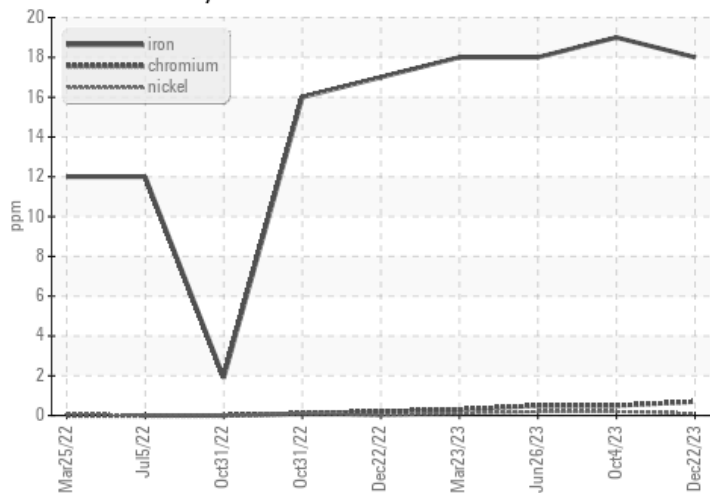
Calcium	ppm	1259	1296	1335	1433
Magnesium	ppm	5	5	5	5
Zinc	ppm	670	710	712	700
Phosphorus	ppm	584	593	629	649
Barium	ppm	0	<1	0	0
Boron	ppm	1	1	<1	<1

Depot: IND550WIN
Unique No: 5707667
Signed: Kevin Marson
Report Date: 08 Jan 2024

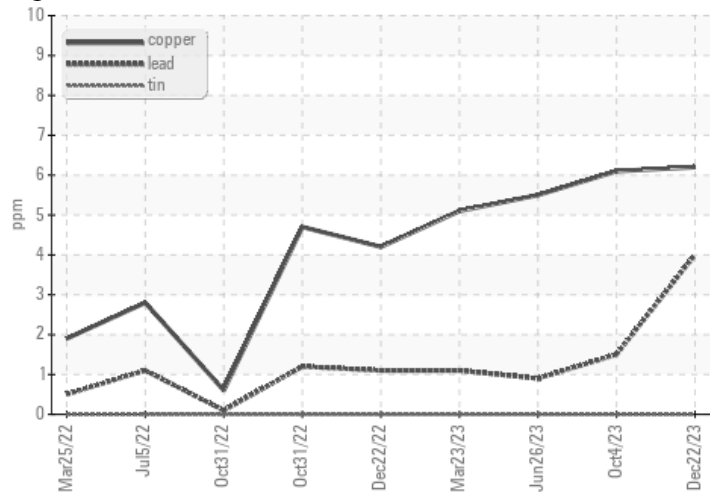


GRAPHS

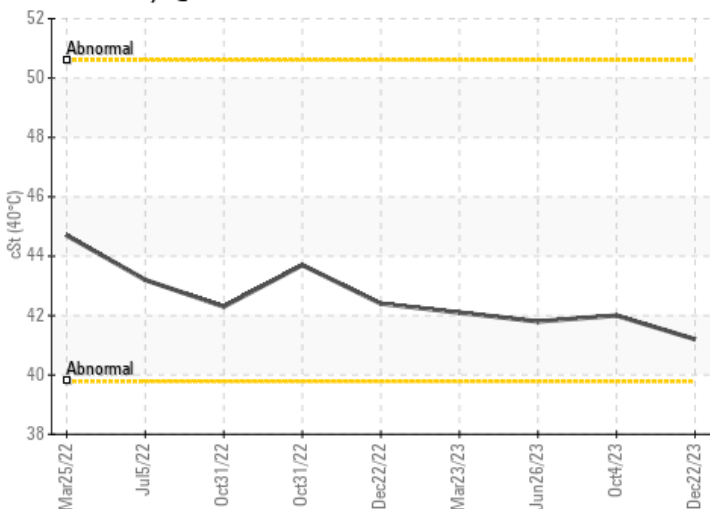
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

