

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 135986 - Hydraulic System

Sample No: LH
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	LH0265908	LH	LH0242773
Sample Date	04 Oct 2023	26 Jun 2023	23 Mar 2023	22 Dec 2022
Machine Hours	0	0	2500	1972
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

Industrial Metals

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



OIL CONDITION

Visc @ 40°C	cSt	42.0	41.8	42.1	42.4
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T:
 F:



CONTAMINATION

Water	%	---	---	0.037	---
Particles >4µm		10953	7891	25787	5278
Particles >6µm		3664	2483	7931	1149
Particles >14µm		264	186	694	57
ISO 4406:1999 (c)		21/19/15	20/18/15	22/20/17	20/17/13
Silicon	ppm	2	2	2	2
Sodium	ppm	4	4	4	4
Potassium	ppm	<1	<1	<1	<1

Diagnosis

Resample at the next service interval to monitor. 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	19	18	18	17
Copper	ppm	6	6	5	4
Lead	ppm	2	<1	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	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

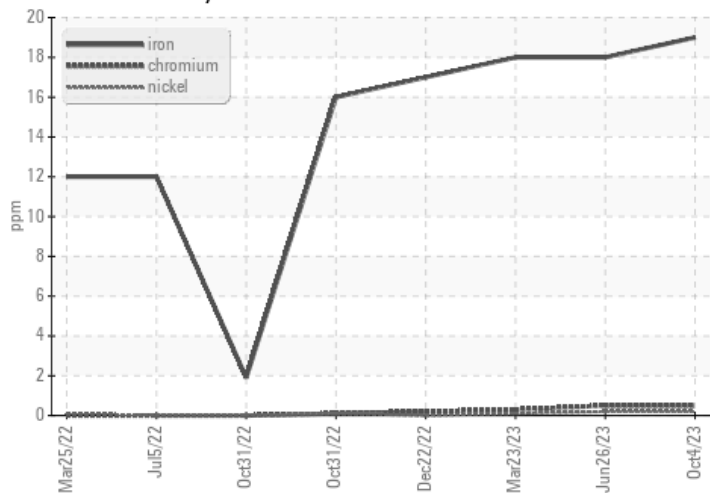
Calcium	ppm	1296	1335	1433	1418
Magnesium	ppm	5	5	5	5
Zinc	ppm	710	712	700	687
Phosphorus	ppm	593	629	649	650
Barium	ppm	<1	0	0	0
Boron	ppm	1	<1	<1	4

Depot: IND550WIN
 Unique No: 5658736
 Signed: Wes Davis
 Report Date: 18 Oct 2023

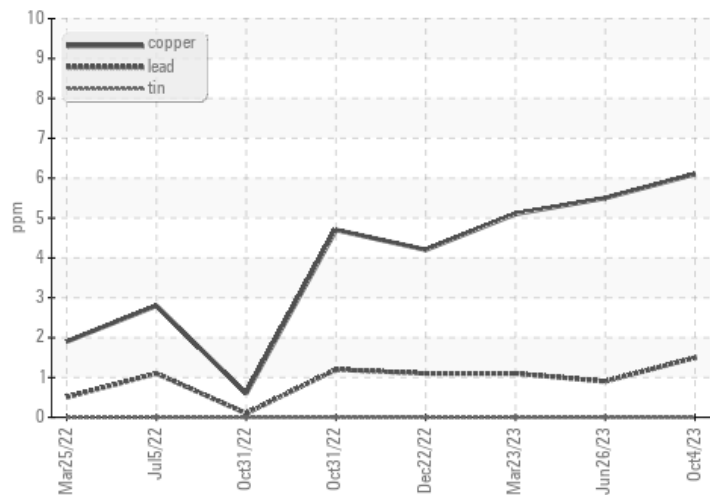


GRAPHS

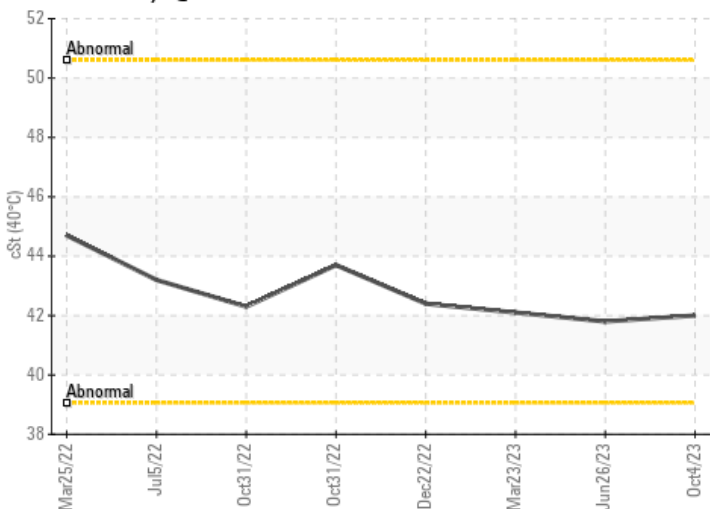
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

