

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112349-1253 - Hydraulic System

Sample No: LH0278707

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278707	LH0274578	LH0261539	LH
Sample Date	22 Feb 2024	30 Aug 2023	11 Jun 2023	06 Apr 2023
Machine Hours	11476	10003	9416	8940
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

MONAGHAN MUSHROOMS LTD
 7345 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Steven Cargill
 s.cargill@monaghan-mushrooms.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.2	41.7	41.4	41.0



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1922	3209	20865	4132
Particles >6µm		478	854	5289	967
Particles >14µm		34	52	291	35
ISO 4406:1999 (c)		18/16/12	19/17/13	22/20/15	19/17/12
Silicon	ppm	<1	<1	<1	1
Sodium	ppm	<1	<1	1	2
Potassium	ppm	<1	<1	<1	<1

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	19	24	35
Copper	ppm	2	3	4	5
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	<1	1	1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
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

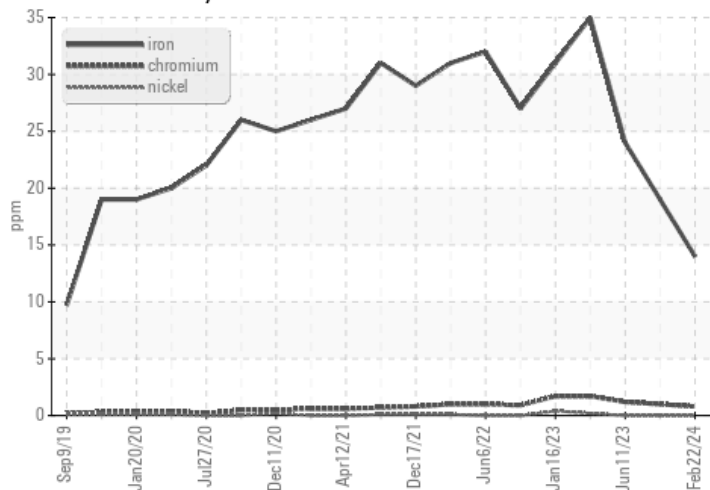
Calcium	ppm	164	217	298	474
Magnesium	ppm	2	2	2	3
Zinc	ppm	657	561	556	663
Phosphorus	ppm	536	477	500	590
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	<1	<1

Depot: MONCAM
 Unique No: 5734795
 Signed: Wes Davis
 Report Date: 26 Feb 2024

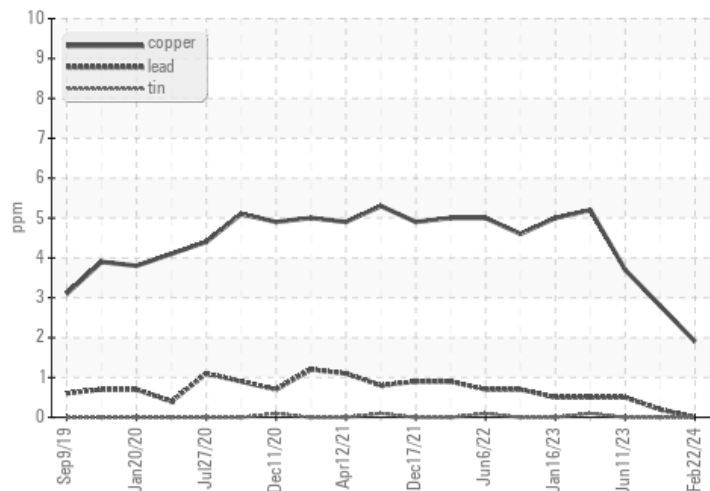


GRAPHS

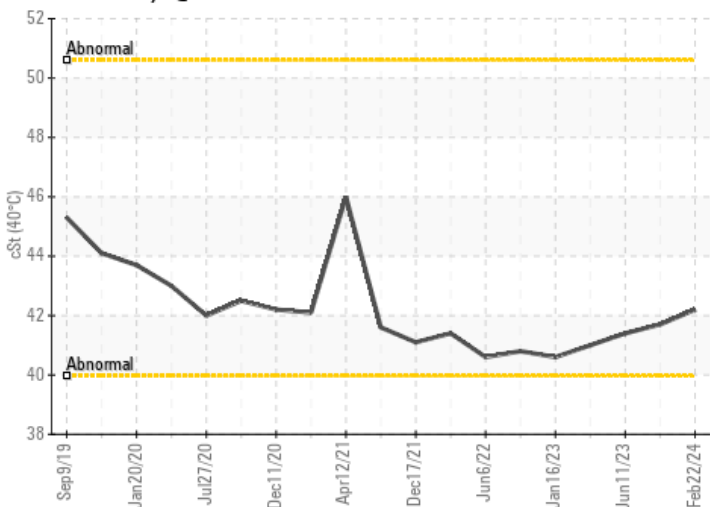
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

