

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 138696-1253 - Hydraulic System

Sample No: LH0274187

Oil Type: LIEBHERR W46



METAUX 139 INC.
86 RTE MARIE-VICTORIN
PIERREVILLE, QC
CA J0G 1J0
Contact: Service Manager

T:
F:



SAMPLE INFORMATION

Sample Number	LH0274187	LH0256074	LH0250762	LH0235171
Sample Date	26 Sep 2023	14 Jun 2023	15 Feb 2023	19 Oct 2022
Machine Hours	2491	1925	1202	594
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	43.1	43.4	44.1	45.2
		●	●	●	●



CONTAMINATION

Particles >4µm		● 1750	● 12060	● 2348	● 51196
Particles >6µm		● 453	● 3216	● 572	● 20317
Particles >14µm		● 23	● 197	● 29	● 2266
ISO 4406:1999 (c)		18/16/12	21/19/15	18/16/12	23/22/18
Silicon	ppm	● 5	● 4	● 4	● 4
Sodium	ppm	● 3	● 2	● 1	● 1
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	● 22	● 19	● 16	● 7
Copper	ppm	● 5	● 4	● 3	● 3
Lead	ppm	● 1	● <1	● <1	● <1
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● <1	● <1	● <1	● 0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	● 0	● <1	● <1	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

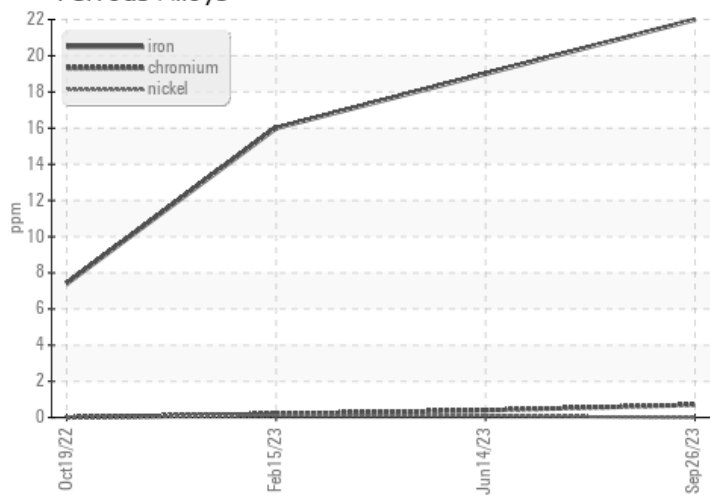
Calcium	ppm	1481	1537	1486	1459
Magnesium	ppm	4	4	5	4
Zinc	ppm	778	766	740	735
Phosphorus	ppm	690	728	737	715
Barium	ppm	<1	0	0	0
Boron	ppm	1	<1	<1	1

Depot: MET126WIC
Unique No: 5655202
Signed: Wes Davis
Report Date: 03 Oct 2023

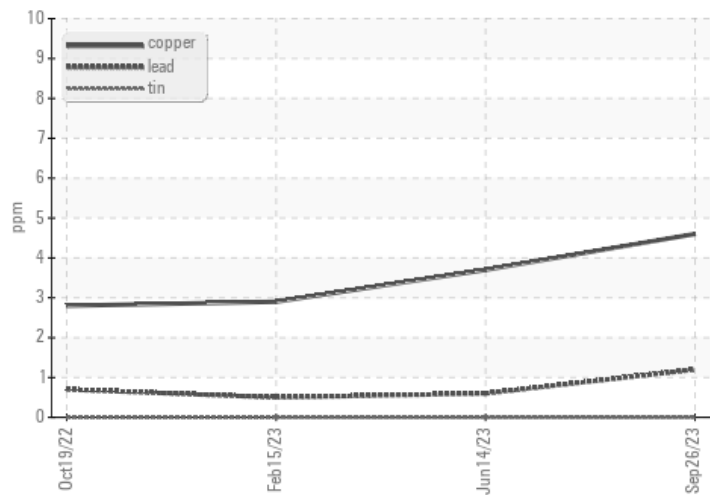


GRAPHS

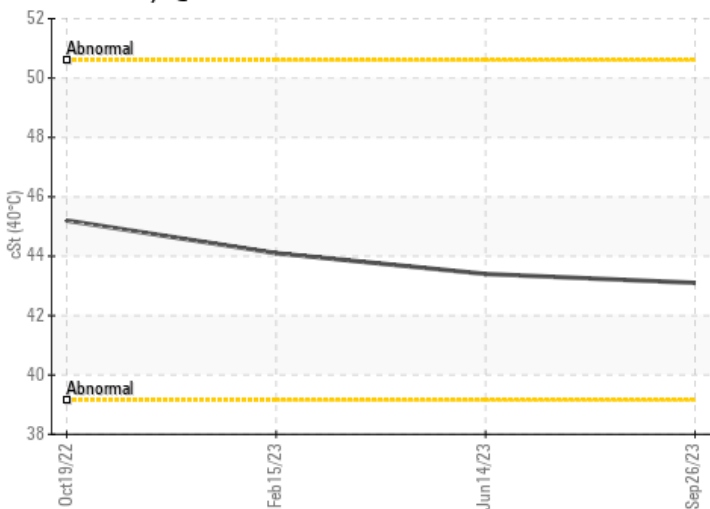
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

