

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 138696-1253 - Hydraulic System

Sample No: LH0279065

Oil Type: LIEBHERR HYDRAULIC HVI



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



SAMPLE INFORMATION

Sample Number	LH0279065	LH0274187	LH0256074	LH0250762
Sample Date	26 Jan 2024	26 Sep 2023	14 Jun 2023	15 Feb 2023
Machine Hours	3129	2491	1925	1202
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.1	43.4	44.1



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1522	1750	12060	2348
Particles >6µm		377	453	3216	572
Particles >14µm		18	23	197	29
ISO 4406:1999 (c)		18/16/11	18/16/12	21/19/15	18/16/12
Silicon	ppm	4	5	4	4
Sodium	ppm	2	3	2	1
Potassium	ppm	1	<1	1	<1



WEAR METALS

Iron	ppm	23	22	19	16
Copper	ppm	5	5	4	3
Lead	ppm	<1	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	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1450	1481	1537	1486
Magnesium	ppm	5	4	4	5
Zinc	ppm	737	778	766	740
Phosphorus	ppm	664	690	728	737
Barium	ppm	0	<1	0	0
Boron	ppm	<1	1	<1	<1

T:
F:

Diagnosis

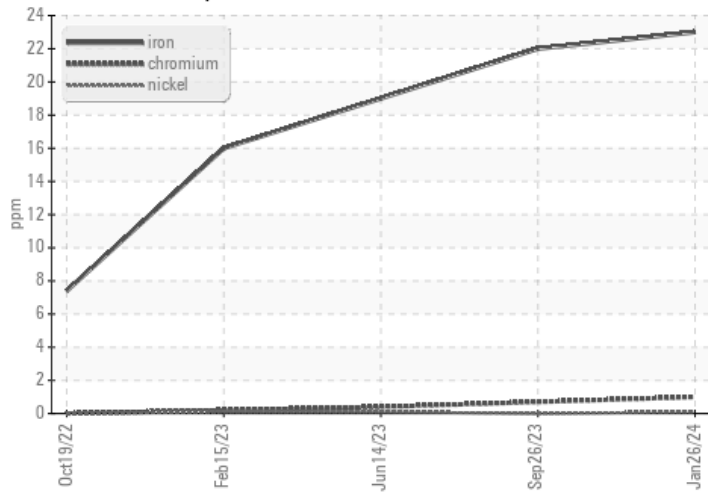
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: MET126WIC
Unique No: 5721274
Signed: Wes Davis
Report Date: 31 Jan 2024

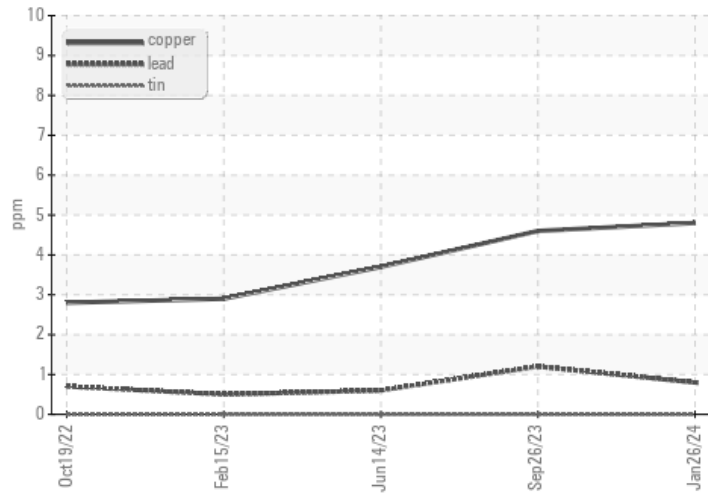


GRAPHS

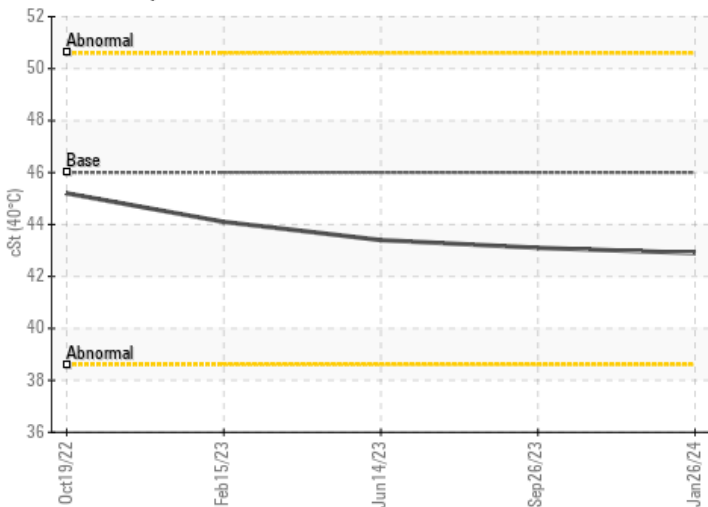
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

