

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH26M 124532-1252 - Hydraulic System

Sample No: LH0242080

Oil Type: PETRO CANADA 10W40



**Amix Recycling**  
11698 140 Street  
Surrey, BC  
CA V3R 2V4  
Contact: Service Manager

T:  
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#### SAMPLE INFORMATION

Sample Number	LH0242080	LH0181018	LH0226604	LH0181005
Sample Date	08 Jan 2024	08 Sep 2023	09 Jun 2023	10 Jan 2023
Machine Hours	4614	4078	3671	3035
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	SEVERE	SEVERE	SEVERE	ABNORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	42.2	42.3	42.3	42.3
Acid Number (AN)	mg KOH/g	---	0.79	---	0.91



#### CONTAMINATION

Water	%	0.020	NEG	NEG	NEG
Particles >4µm		584	904	409	57305
Particles >6µm		94	47	95	188
Particles >14µm		14	5	10	8
ISO 4406:1999 (c)		16/14/11	17/13/10	16/14/10	23/15/10
Silicon	ppm	4	3	3	3
Sodium	ppm	2	2	2	2
Potassium	ppm	1	1	<1	1



#### WEAR METALS

PQ		20	16	11	8
Iron	ppm	161	158	123	106
Copper	ppm	7	6	6	6
Lead	ppm	2	2	2	2
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	2	2	1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	<1	0	<1



#### ADDITIVES

Calcium	ppm	536	592	622	792
Magnesium	ppm	3	3	3	4
Zinc	ppm	580	613	622	650
Phosphorus	ppm	469	521	528	582
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

#### Diagnosis

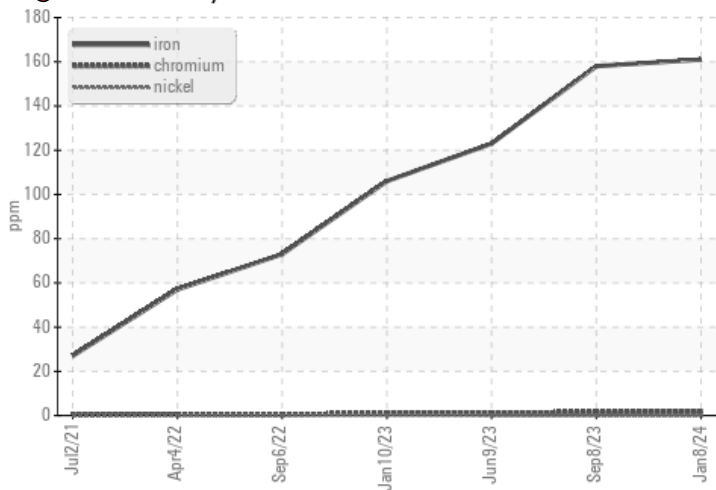
Resample at the next service interval to monitor. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: AMI116SUR  
Unique No: 5708967  
Signed: Kevin Marson  
Report Date: 12 Jan 2024

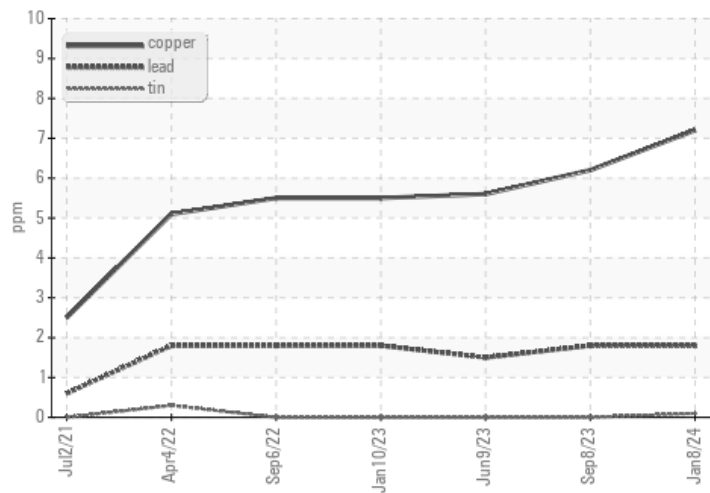


### GRAPHS

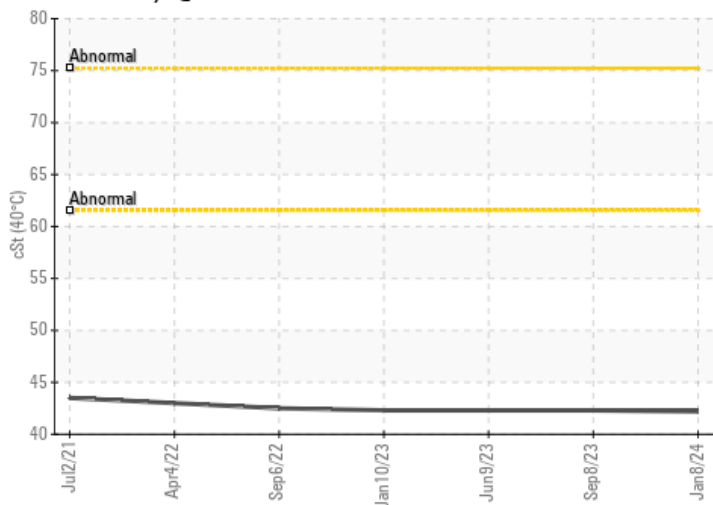
#### ● Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

