

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 71616 - Hydraulic System

Sample No: LH0291277

Oil Type: {unknown}



#### Sample Information

Sample Number	LH0291277	LH0278698	LH0274532	LH0256530
Sample Date	10 Jun 2024	22 Feb 2024	20 Aug 2023	19 Jun 2023
Machine Hours	6650	5129	2389	1650
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

#### DOFASCO INC.

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 HAMILTON, ON  
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 T: (905)548-7200  
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#### Oil Condition

Visc @ 40°C	cSt	46.4	43.6	44.5	43.1



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1337	56740	9945	87732
Particles >6µm		340	14261	1912	33106
Particles >14µm		30	655	181	2177
ISO 4406:1999 (c)		18/16/12	23/21/17	20/18/15	24/22/18
Silicon	ppm	0	2	3	3
Sodium	ppm	0	<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	0	28	38	34
Copper	ppm	0	2	2	2
Lead	ppm	0	4	5	3
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	1	1
Chromium	ppm	0	4	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

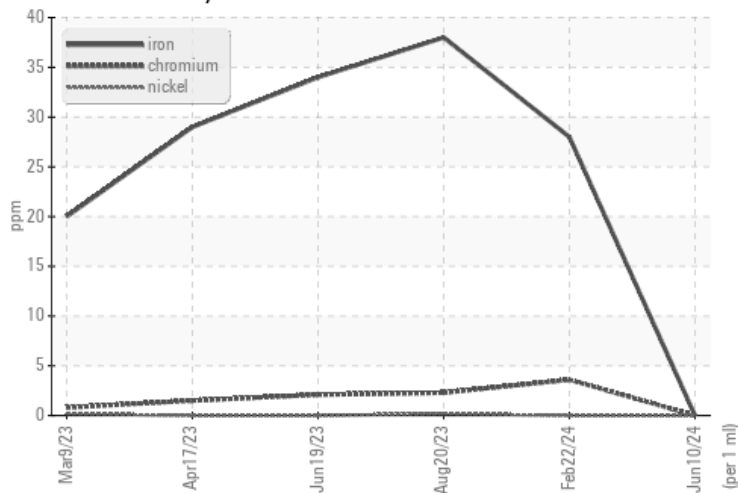
Calcium	ppm	102	607	1236	1364
Magnesium	ppm	<1	3	4	4
Zinc	ppm	826	770	722	695
Phosphorus	ppm	640	640	670	669
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	<1	<1

Depot: DOFHAM  
 Unique No: 5798724  
 Signed: Wes Davis  
 Report Date: 12 Jun 2024

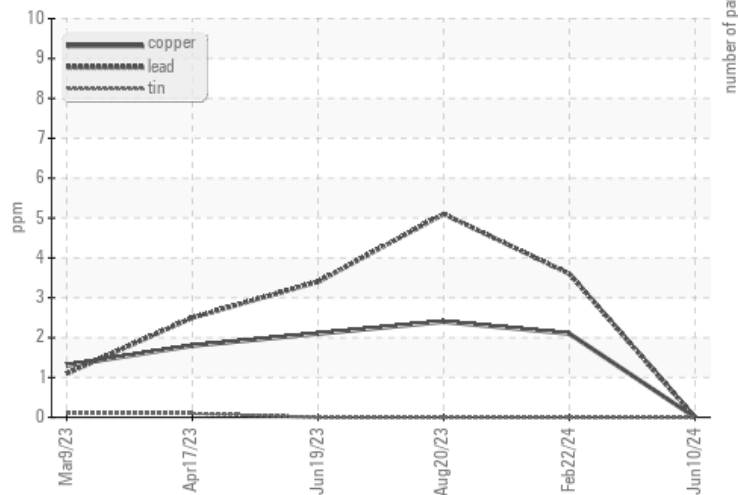


### Graphs

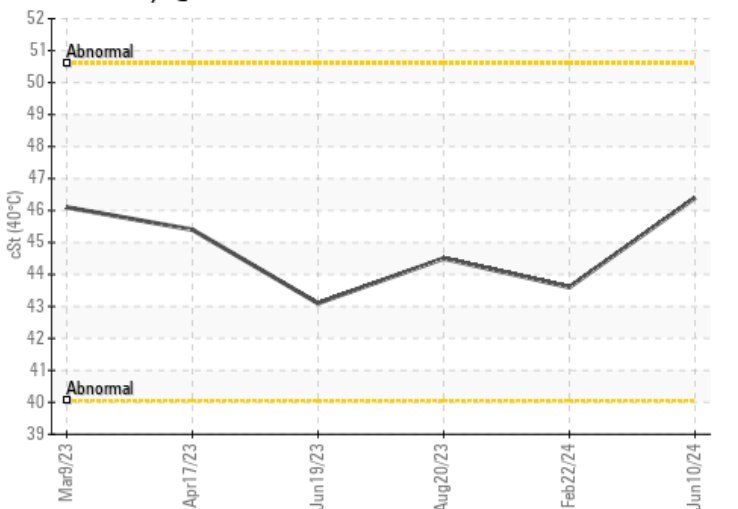
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

