

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 71616 - Hydraulic System

Sample No: LH0278698

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278698	LH0274532	LH0256530	LH0256666
Sample Date	22 Feb 2024	20 Aug 2023	19 Jun 2023	17 Apr 2023
Machine Hours	5129	2389	1650	1042
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ATTENTION

DOFASCO INC.

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 HAMILTON, ON
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OIL CONDITION

Visc @ 40°C	cSt	43.6	44.5	43.1	45.4



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		56740	9945	87732	21321
Particles >6µm		14261	1912	33106	726
Particles >14µm		655	181	2177	14
ISO 4406:1999 (c)		23/21/17	20/18/15	24/22/18	22/17/11
Silicon	ppm	2	3	3	3
Sodium	ppm	<1	1	2	2
Potassium	ppm	1	1	1	1

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	28	38	34	29
Copper	ppm	2	2	2	2
Lead	ppm	4	5	3	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	1	1	<1
Chromium	ppm	4	2	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

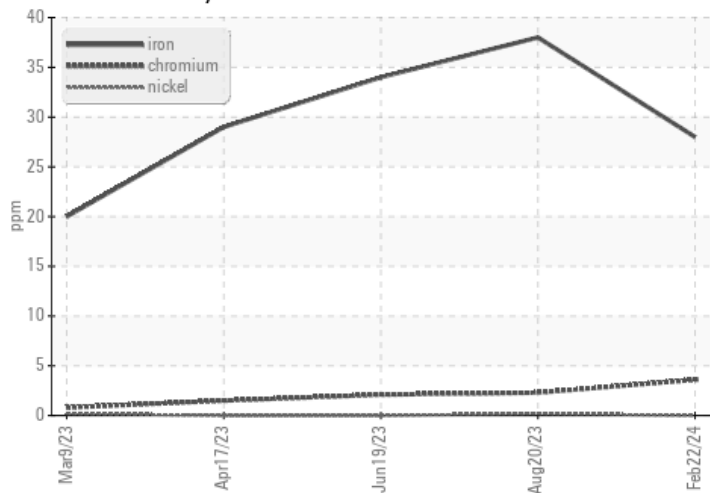
Calcium	ppm	607	1236	1364	1442
Magnesium	ppm	3	4	4	4
Zinc	ppm	770	722	695	704
Phosphorus	ppm	640	670	669	683
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: DOFHAM
 Unique No: 5734798
 Signed: Wes Davis
 Report Date: 26 Feb 2024

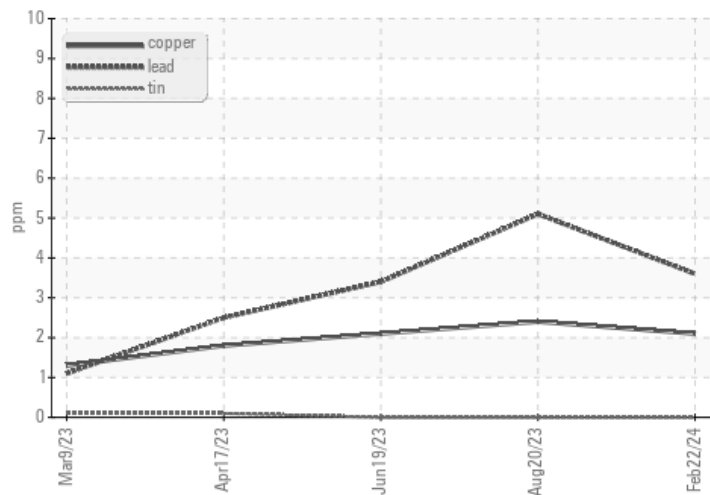


GRAPHS

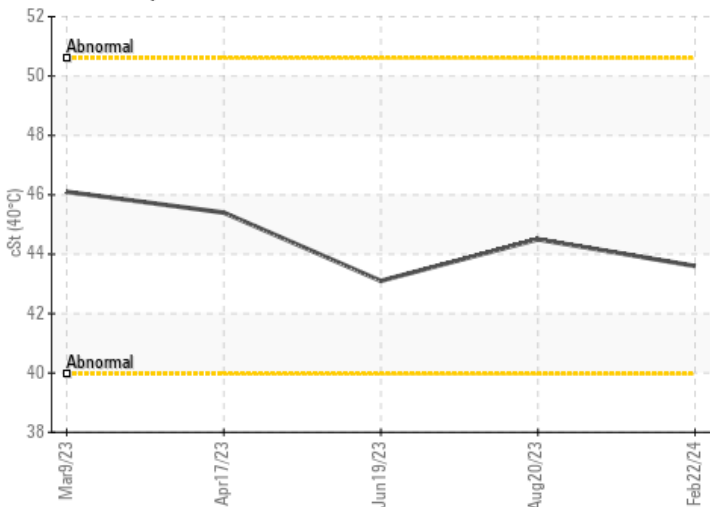
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

