

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 73916 - Hydraulic System

Sample No: LH0270165

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0270165	LH0277536	LH0277822	LH0270426
Sample Date	21 Mar 2024	21 Jan 2024	27 Nov 2023	17 Sep 2023
Machine Hours	2258	1515	1059	583
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

LIEBHERR CANADA LTD.

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OIL CONDITION

Visc @ 40°C	cSt	44.0	46.6	44.9	45.6



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		41126	4718	10200	5978
Particles >6µm		10307	854	1183	1462
Particles >14µm		570	29	33	260
ISO 4406:1999 (c)		23/21/16	19/17/12	21/17/12	20/18/15
Silicon	ppm	2	<1	3	3
Sodium	ppm	1	0	2	1
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	4	0	3	3
Copper	ppm	4	0	3	2
Lead	ppm	2	0	3	2
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	3	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

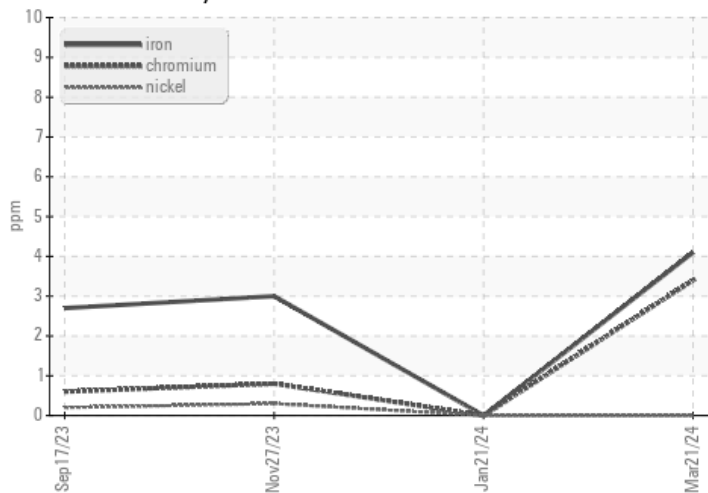
Calcium	ppm	1323	103	1323	1318
Magnesium	ppm	4	<1	4	4
Zinc	ppm	687	840	693	703
Phosphorus	ppm	601	659	614	659
Barium	ppm	<1	0	<1	0
Boron	ppm	0	0	<1	<1

Depot: LIEMIS
Unique No: 5749099
Signed: Wes Davis
Report Date: 22 Mar 2024

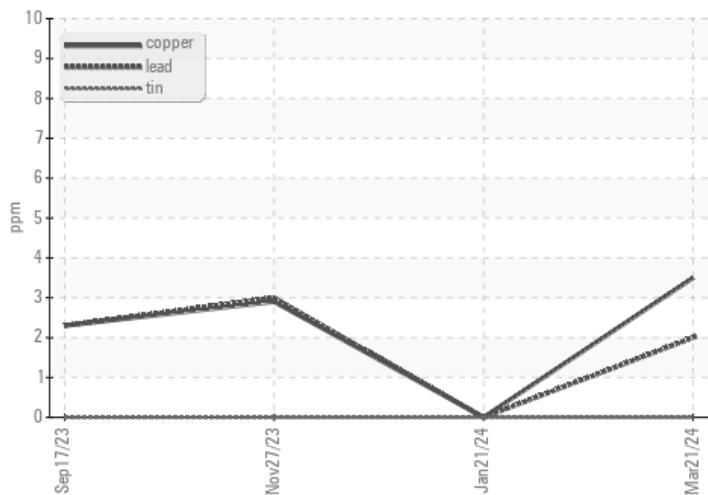


GRAPHS

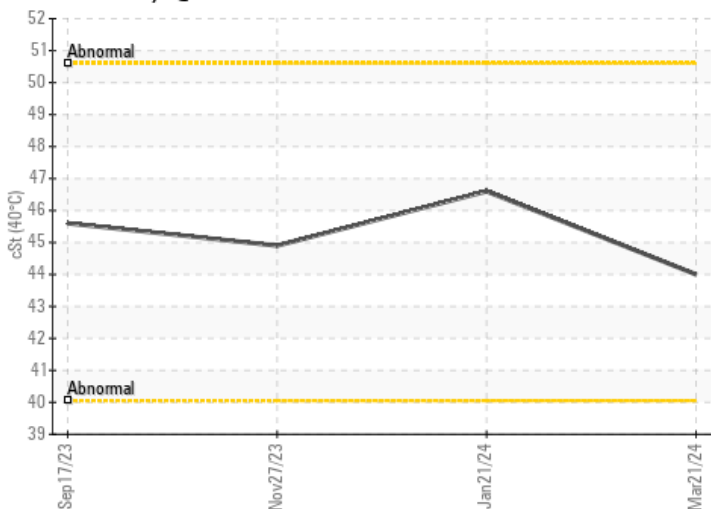
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

