

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTR1100 074910 - Hydraulic System

Sample No: LH0250393

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0250393	LH0104866	---	---
Sample Date	19 Oct 2023	02 Sep 2016	---	---
Machine Hours	8359	23257	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

LIEBHERR CANADA LTD.

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ACHESON, AB
CA T7X 6A2
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OIL CONDITION

Visc @ 40°C	cSt	27.1	29.2	---	---
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CONTAMINATION

Particles >4µm		27979	680	---	---
Particles >6µm		4511	151	---	---
Particles >14µm		378	10	---	---
ISO 4406:1999 (c)		22/19/16	17/14/10	---	---
Silicon	ppm	51	2	---	---
Sodium	ppm	5	2	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	4	<1	---	---
Copper	ppm	4	3	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	120	127	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	55	52	---	---
Phosphorus	ppm	501	539	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	17	21	---	---

Diagnosis

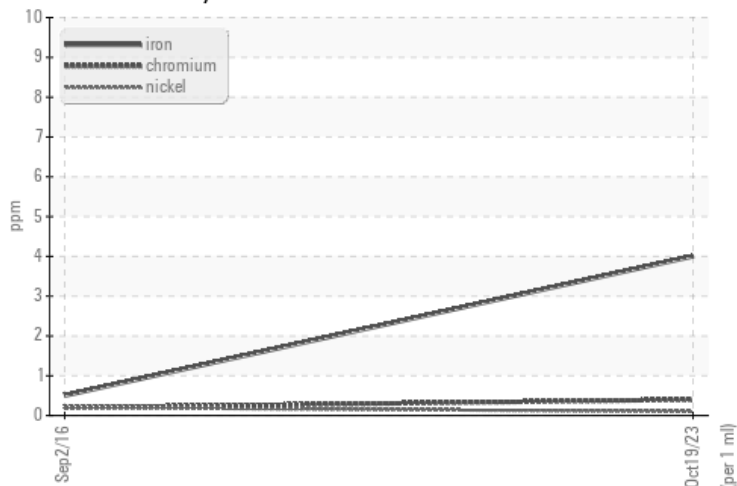
We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of dirt present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIESPR
Unique No: 5659739
Signed: Kevin Marson
Report Date: 23 Oct 2023

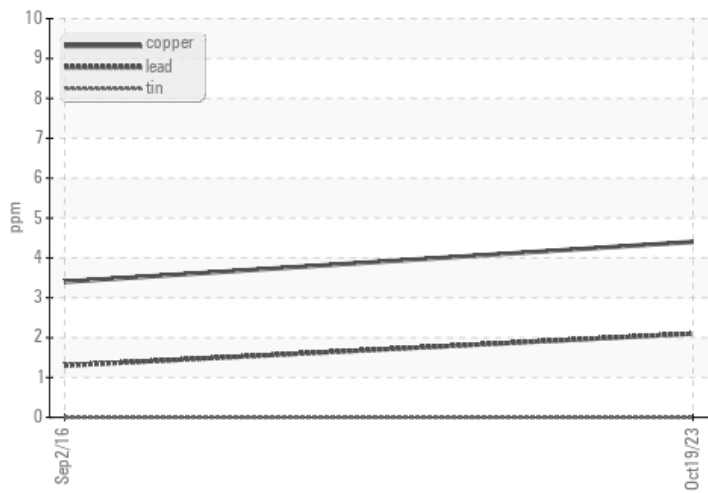


GRAPHS

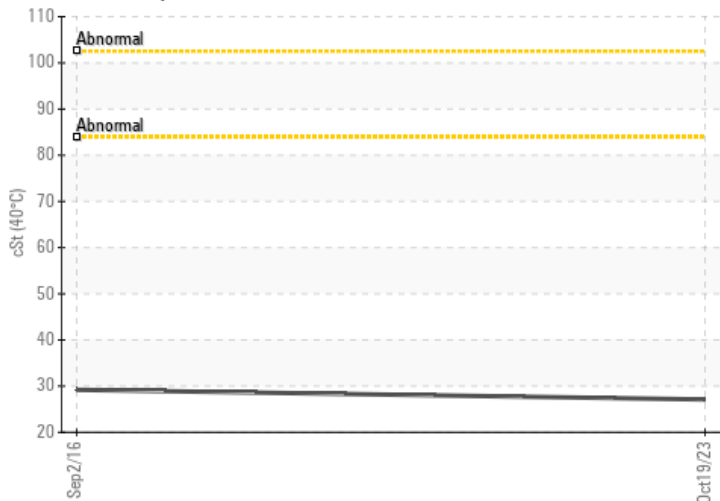
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

