

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 156991 - Hydraulic System

Sample No: LH0289724

Oil Type: {unknown}



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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Sample Information

Sample Number	LH0289724	LH0285076	---	---
Sample Date	21 Apr 2024	04 Mar 2024	---	---
Machine Hours	1662	1005	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	43.0	43.1	---	---
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Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		22410	2595	---	---
Particles >6µm		4081	518	---	---
Particles >14µm		246	28	---	---
ISO 4406:1999 (c)		22/19/15	19/16/12	---	---
Silicon	ppm	1	2	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	1	---	---



Wear Metals

Iron	ppm	18	17	---	---
Copper	ppm	3	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	568	788	---	---
Magnesium	ppm	4	5	---	---
Zinc	ppm	773	766	---	---
Phosphorus	ppm	617	644	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

Diagnosis

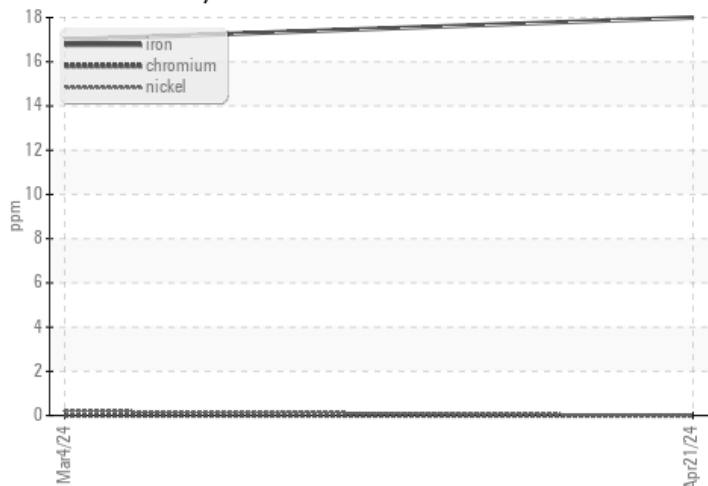
We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5763752
 Signed: Wes Davis
 Report Date: 23 Apr 2024

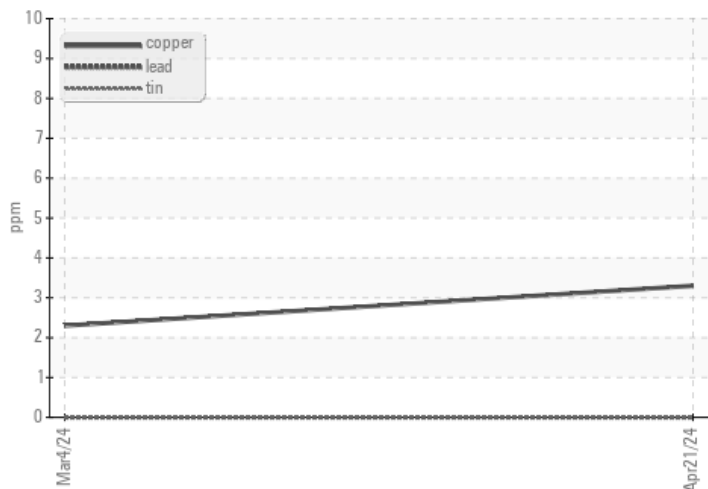


Graphs

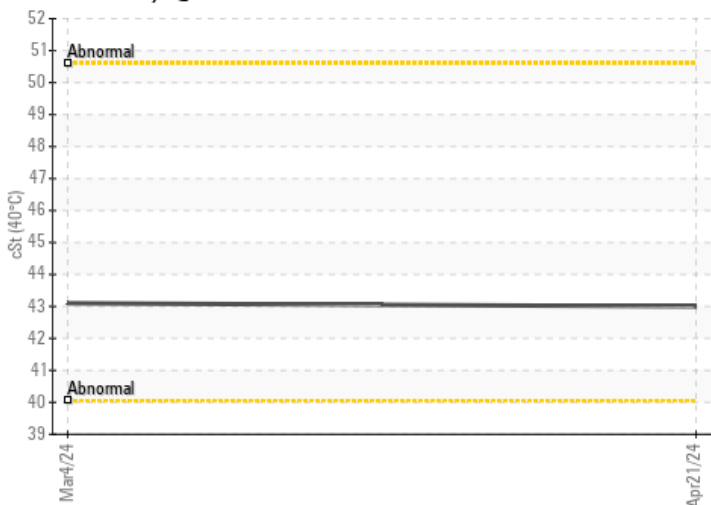
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

