

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 147180 - Hydraulic System

Sample No: LH0287058

Oil Type: {unknown}



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

Sample Number	LH0287058	LH0274834	---	---
Sample Date	16 Apr 2024	04 Oct 2023	---	---
Machine Hours	1460	512	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---



Oil Condition

Visc @ 40°C	cSt	43.0	44.4	---	---
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Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		8847	21771	---	---
Particles >6µm		1624	3654	---	---
Particles >14µm		59	157	---	---
ISO 4406:1999 (c)		20/18/13	22/19/14	---	---
Silicon	ppm	3	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	1	<1	---	---



Wear Metals

Iron	ppm	12	10	---	---
Copper	ppm	3	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	1284	1343	---	---
Magnesium	ppm	4	4	---	---
Zinc	ppm	696	711	---	---
Phosphorus	ppm	599	625	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	<1	1	---	---

Diagnosis

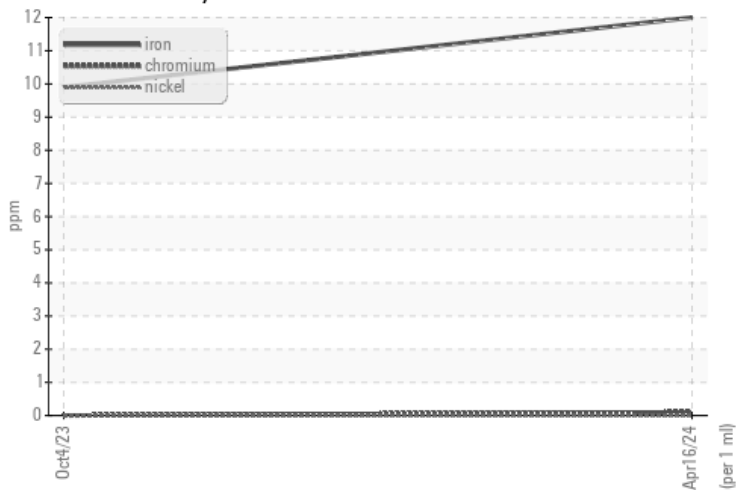
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5762802
 Signed: Wes Davis
 Report Date: 18 Apr 2024

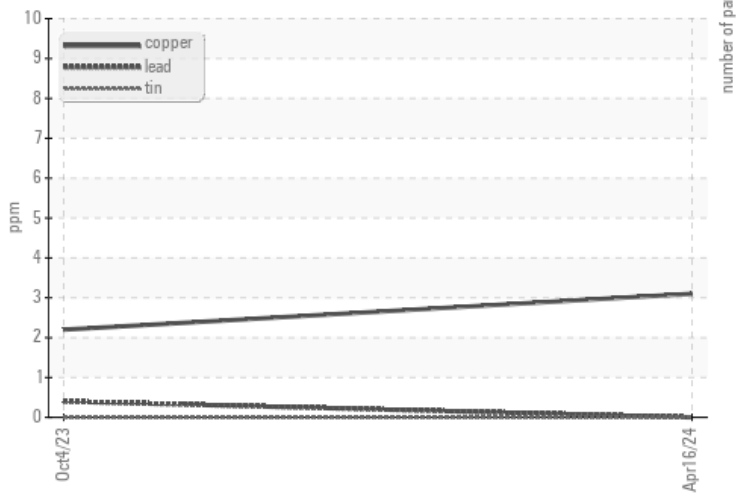


Graphs

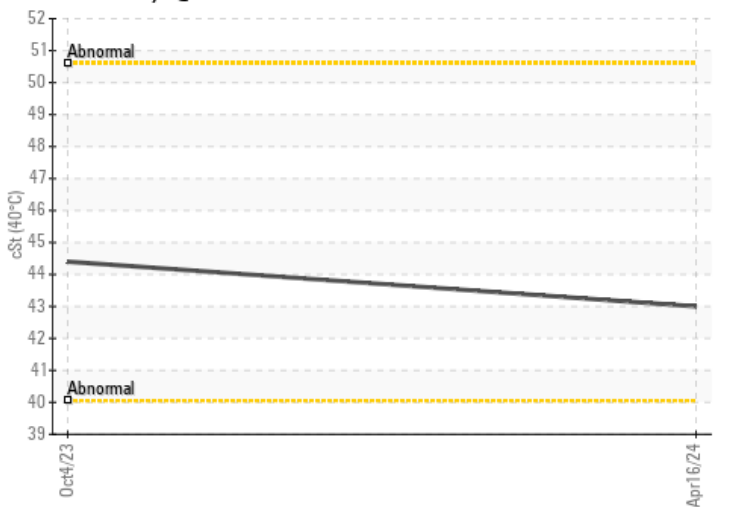
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

