

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 107906 - Hydraulic System

Sample No: LH

Oil Type: LIEBHERR HYDRAULIC HVI



LIEBHERR CANADA

10 LYNDS AVENUE

MONCTON, NB

CA E1H 3K2

Contact: Bryan Wood

bryan.wood@liebherr.com

T:

F: (506)854-2940



Sample Information

Sample Number	LH	LH	LH0250200	---
Sample Date	17 Jun 2024	12 Apr 2023	09 Jan 2023	---
Machine Hours	3725	3721	3715	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	44.2	44.1	44.1	---
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Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		6385	4791	5908	---
Particles >6µm		1063	995	797	---
Particles >14µm		54	68	28	---
ISO 4406:1999 (c)		20/17/13	19/17/13	20/17/12	---
Silicon	ppm	1	2	<1	---
Sodium	ppm	2	3	3	---
Potassium	ppm	1	0	<1	---



Wear Metals

Iron	ppm	9	10	8	---
Copper	ppm	4	3	3	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	4	4	4	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	1313	1393	1441	---
Magnesium	ppm	7	7	5	---
Zinc	ppm	690	705	643	---
Phosphorus	ppm	602	665	580	---
Barium	ppm	<1	0	0	---
Boron	ppm	1	<1	0	---

Diagnosis

Resample at the next service interval to monitor. 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: LIEMON

Unique No: 5800527

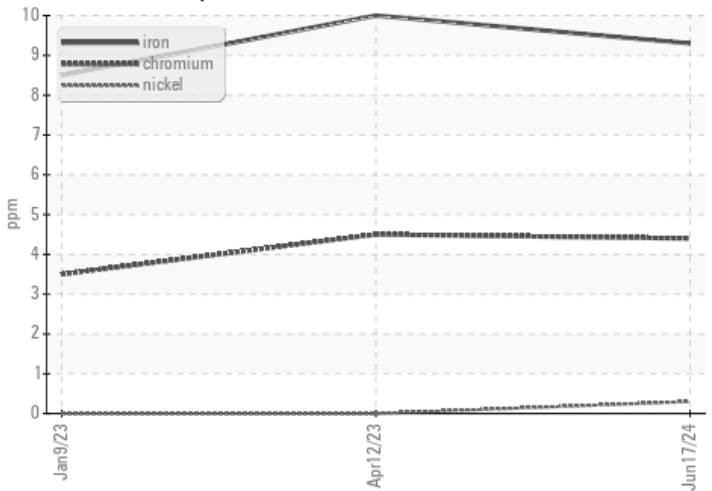
Signed: Wes Davis

Report Date: 20 Jun 2024

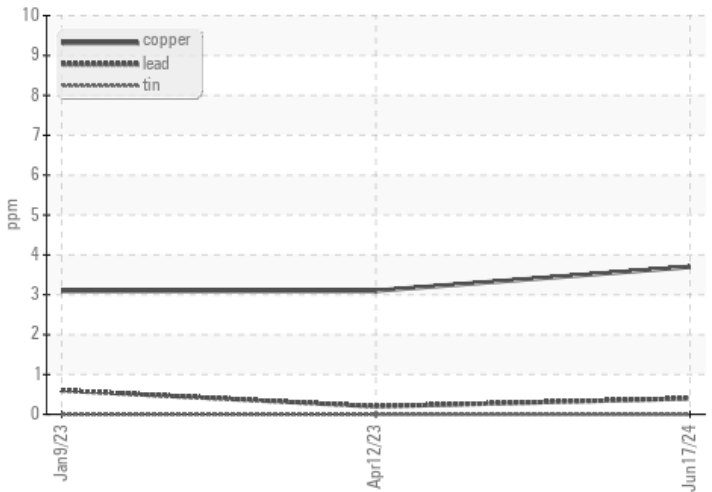


Graphs

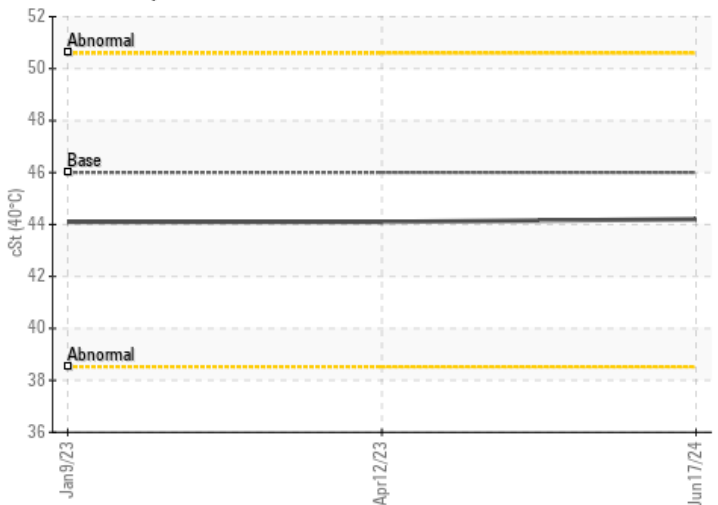
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

