LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LH40M 098208 - Hydraulic System

Sample No: LH

Oil Type: NOT GIVEN

LIEBHERR CANADA LTEE
444 AVENUE DE LA FRICHE
DOLBEAU-MISTASSINI, QC
CA G8L 3M7
Contact: Luc Trottier
luc.trottier@liebherr.com
T:
F: (418)276-9844

SAMPLE INFORMATION

Sample Number		**LH**	---	---	---
Sample Date		**29 Jun 2023**	---	---	---
Machine Hours		**6242**	---	---	---
Oil Hours		**135**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.4**	---	---	---

CONTAMINATION

Water	%	**0.030**	---	---	---
Particles >4µm		**5223**	---	---	---
Particles >6µm		**1237**	---	---	---
Particles >14µm		**93**	---	---	---
ISO 4406:1999 (c)		**20/17/14**	---	---	---
Silicon	ppm	**1**	---	---	---
Sodium	ppm	**9**	---	---	---
Potassium	ppm	**6**	---	---	---

WEAR METALS

Iron	ppm	**6**	---	---	---
Copper	ppm	**4**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1225**	---	---	---
Magnesium	ppm	**6**	---	---	---
Zinc	ppm	**612**	---	---	---
Phosphorus	ppm	**553**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please note that this is a corrected copy for data entry updates.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: LBADOL
Unique No: 5605054
Signed: Kevin Marson
Report Date: 20 Jul 2023

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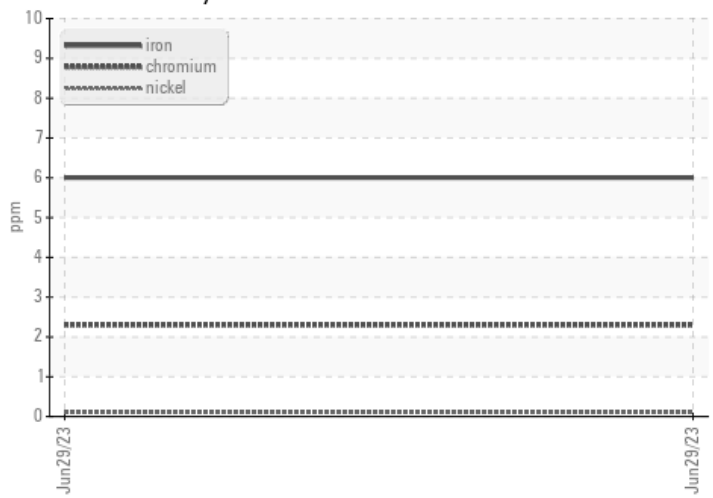
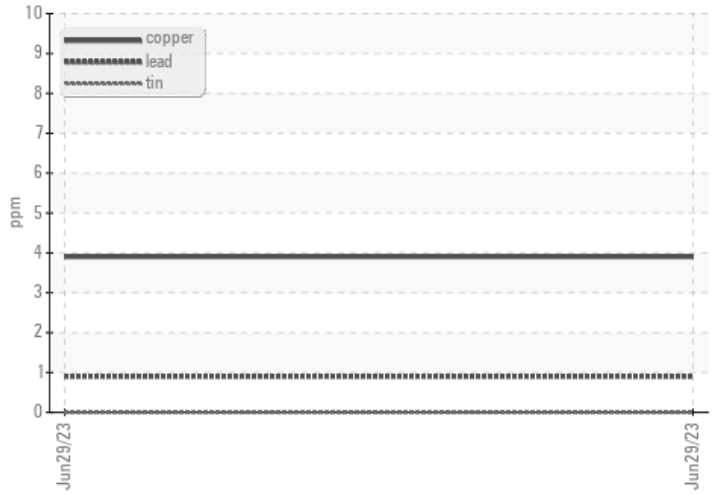
GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

Particle Count