

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145108-1216 - Transmission (Manual)

Sample No: LH0272114

Oil Type: DIESEL ENGINE OIL SAE 5W40



SAMPLE INFORMATION

Sample Number	LH0272114	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	1655	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

PCA

400 2ND STREET
INTERNATIONAL FALLS, MN
US 56649
Contact: SCOTT LINDVALL
scottlindvall@boisepaper.com
T: (218)285-5706
F:



OIL CONDITION

Visc @ 40°C	cSt	● 45.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 41	---	---	---
Potassium	ppm	● 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 43	---	---	---
Copper	ppm	● 56	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 37	---	---	---
Vanadium	ppm	● <1	---	---	---



ADDITIVES

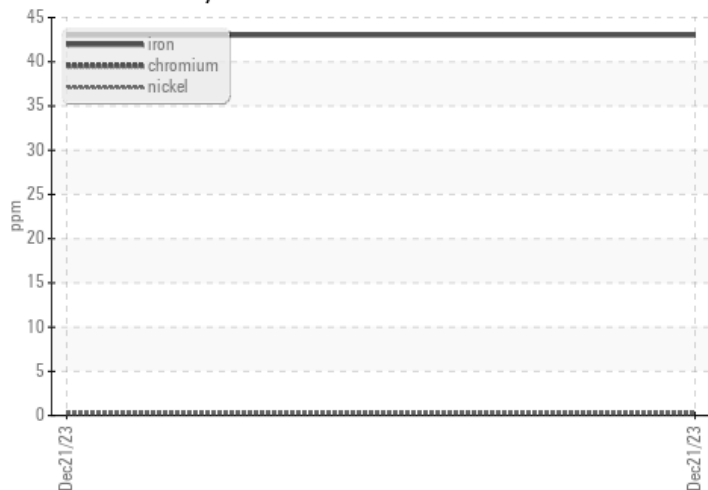
Calcium	ppm	● 3182	---	---	---
Magnesium	ppm	● 19	---	---	---
Zinc	ppm	● 1173	---	---	---
Phosphorus	ppm	● 1120	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 4	---	---	---

Depot: PCAINT
Unique No: 10844719
Signed: Don Baldrige
Report Date: 24 Jan 2024

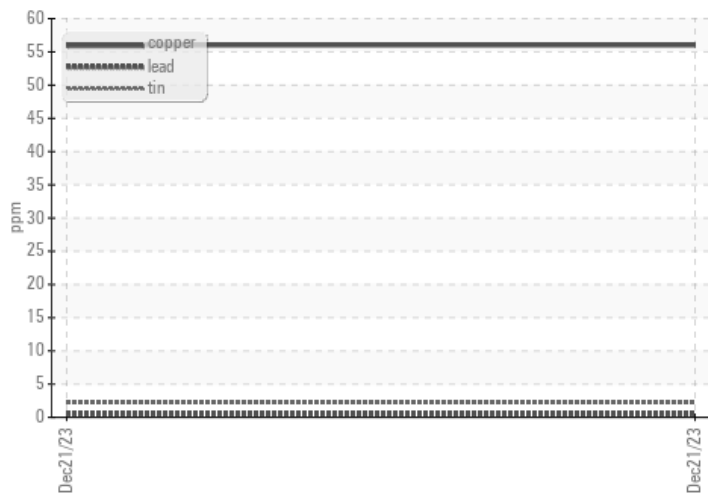


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

