

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 1215-149851 - Front Right Wheel Hub

Sample No: LH0273636

Oil Type: LIEBHERR GEAR BASIC 90 LS



STAINLESS STEEL MIDWEST
 2615 KY-146
 LAGRANGE, KY
 US 40031
 Contact: Service Manager



Sample Information

Sample Number	LH0273636	---	---	---
Sample Date	14 May 2024	---	---	---
Machine Hours	549	---	---	---
Oil Hours	549	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 160	---	---	---
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T:
F:



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 19	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 76	---	---	---
Copper	ppm	● 69	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	0	---	---	---



Additives

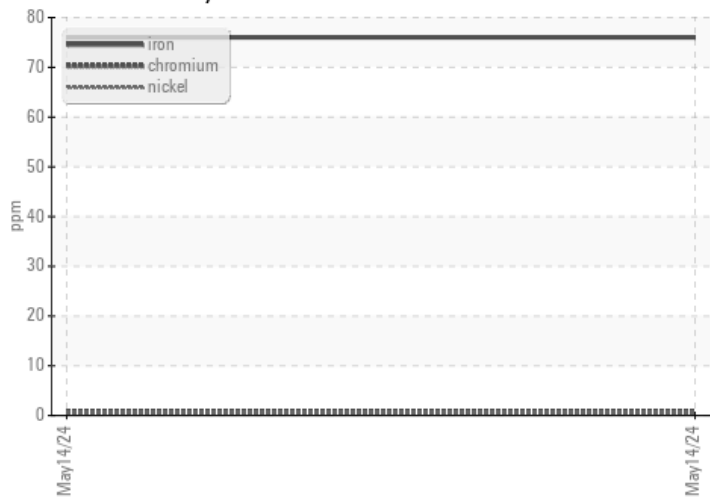
Calcium	ppm	● 59	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 46	---	---	---
Phosphorus	ppm	1412	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 5	---	---	---

Depot: STALAGKY
Unique No: 11088007
Signed: Sean Felton
Report Date: 21 Jun 2024

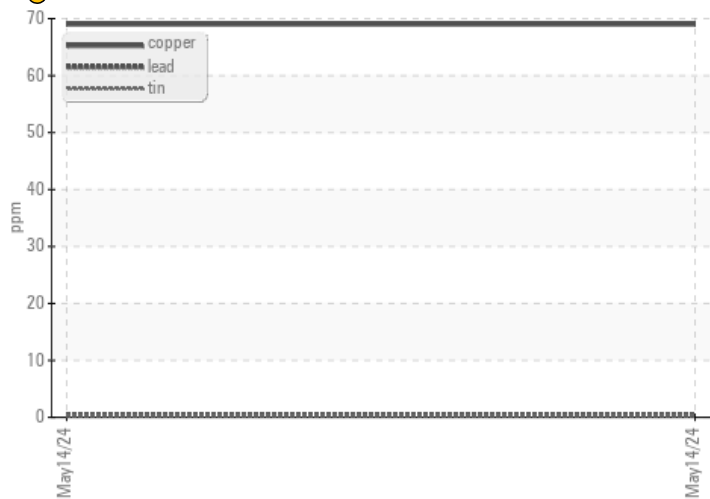


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

