

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1090-4.2 089274 - PASS HUB - 4 Axle

Sample No: LH0258642
 Oil Type: LIEBHERR GEAR HYPOID 90 EP



Sample Information

Sample Number	LH0258642	---	---	---
Sample Date	28 May 2024	---	---	---
Machine Hours	20437	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4800 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: CHRIS JONES
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 T: (757)245-5251
 F:



Oil Condition

Visc @ 40°C	cSt	● 197	---	---	---
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Contamination

Water	%	● 0.218	---	---	---
Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 167	---	---	---
Copper	ppm	● 9	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

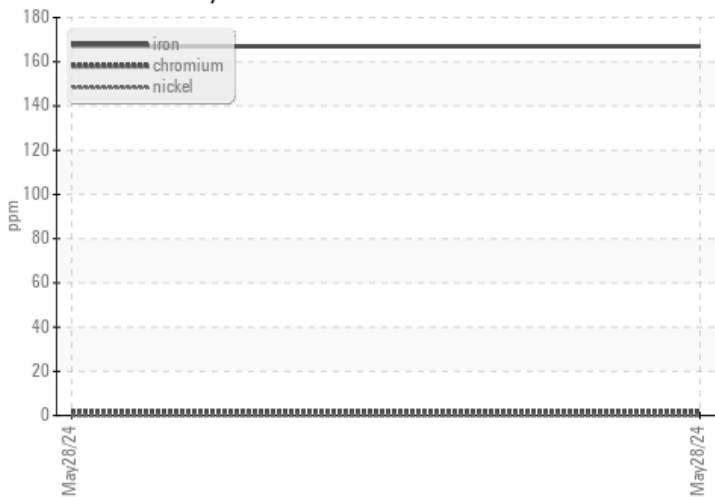
Calcium	ppm	● 0	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	● 23	---	---	---
Phosphorus	ppm	● 1208	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: LIENEW
 Unique No: 11062992
 Signed: Don Baldrige
 Report Date: 08 Jun 2024

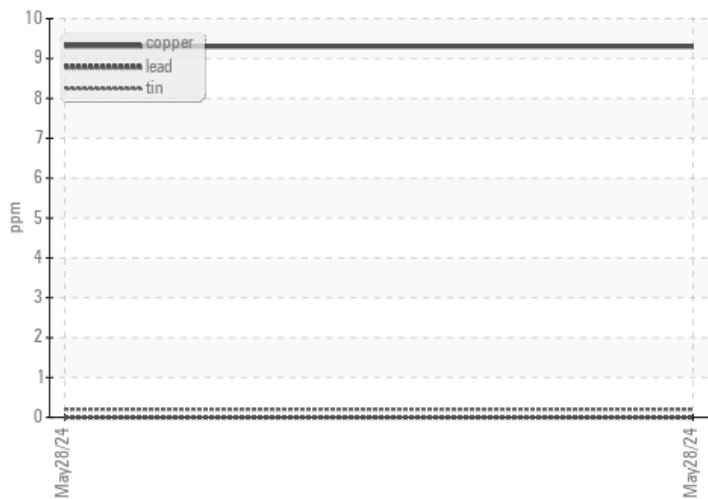


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

