

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LV20F110915 - Gearbox

Sample No: LH0247804

Oil Type: LIEBHERR GEAR PG 220



Sample Information

Sample Number	LH0247804	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	1298	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

PETERSON CONTRACTORS INC
 PO BOX A
 REINBECK, IA
 US 50669
 Contact: WADE VANHAVEN
 MBERWALD@PCIUS.COM
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	● 230	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 2	---	---	---



Wear Metals

Iron	ppm	● 284	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	● 9	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 18	---	---	---
Phosphorus	ppm	● 436	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 33	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: PETREILH
Unique No: 11072590
Signed: Jonathan Hester
Report Date: 13 Jun 2024

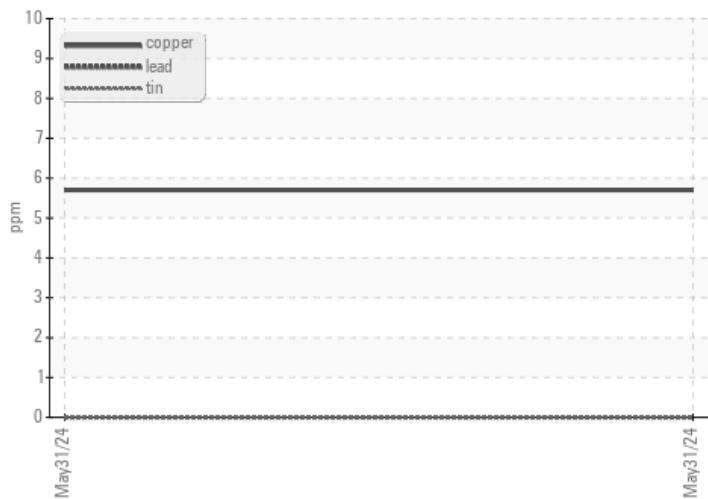


Graphs

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

