

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LV20F 112011 - Gearbox

Sample No: LH0245138

Oil Type: LIEBHERR 220



SAMPLE INFORMATION

Sample Number	LH0245138	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	1179	---	---	---
Oil Hours	232	---	---	---
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	● 235	---	---	---
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CONTAMINATION

Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 310	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	440	---	---	---
Barium	ppm	9	---	---	---
Boron	ppm	26	---	---	---

Diagnosis

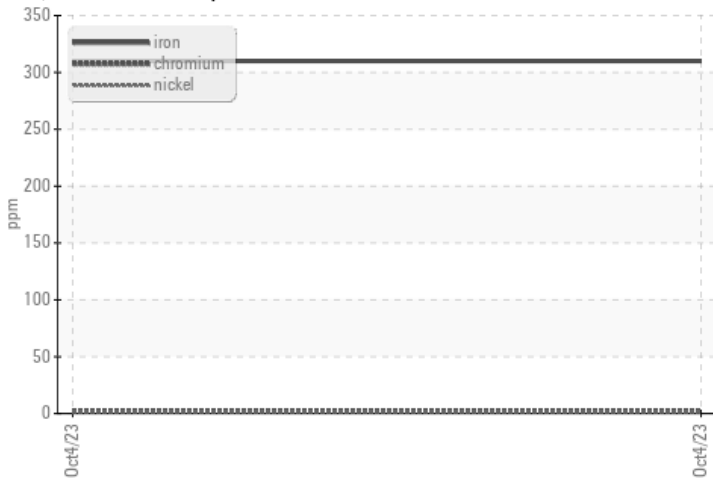
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: PETREILH
Unique No: 10710237
Signed: Sean Felton
Report Date: 25 Oct 2023

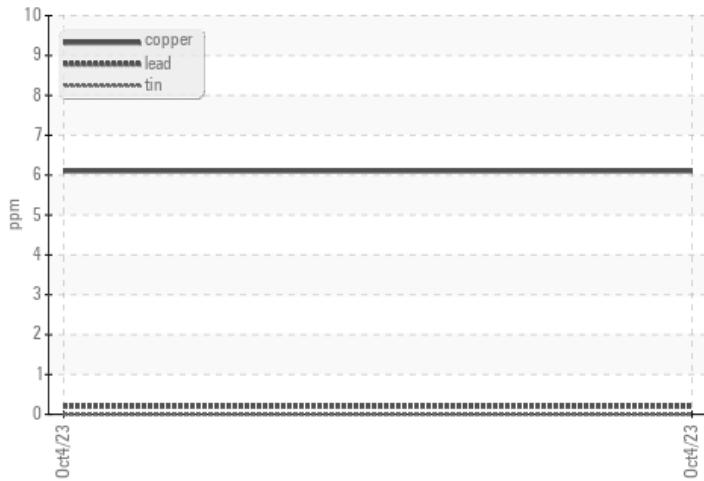


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

