

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L546 1755-67311 - Front Differential

Sample No: LH0243336

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0243336	LH0244330	---	---
Sample Date	16 Oct 2023	07 Mar 2023	---	---
Machine Hours	967	436	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

FAHRNER EXCAVATING

PO BOX 36

PLOVER, MI

US 54467

Contact: JUSTIN F

excavatinginc@gmail.com

T: (715)341-8902

F:



OIL CONDITION

Visc @ 40°C	cSt	● 125	● 186	---	---
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CONTAMINATION

Silicon	ppm	● 4	● 20	---	---
Sodium	ppm	● 3	● 13	---	---
Potassium	ppm	● 2	● 1	---	---



WEAR METALS

Iron	ppm	● 229	● 689	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● 2	● 5	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 5	15	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 37	80	---	---
Magnesium	ppm	● 8	5	---	---
Zinc	ppm	● 32	44	---	---
Phosphorus	ppm	● 861	2357	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	0	<1	---	---

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.

Depot: FAHPLO

Unique No: 10712613

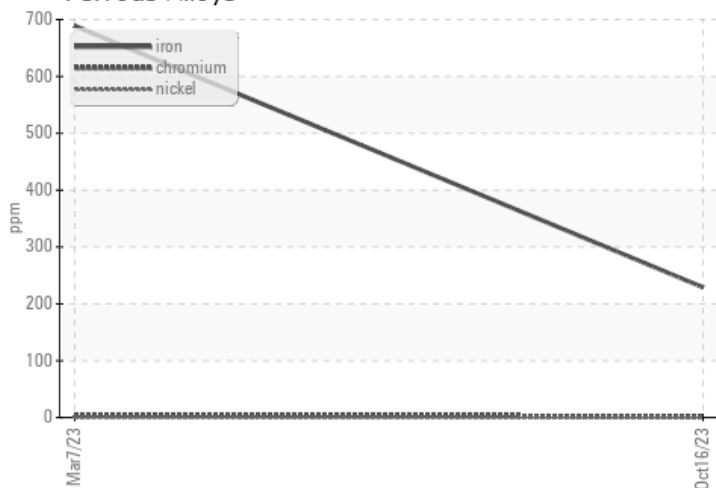
Signed: Sean Felton

Report Date: 27 Oct 2023

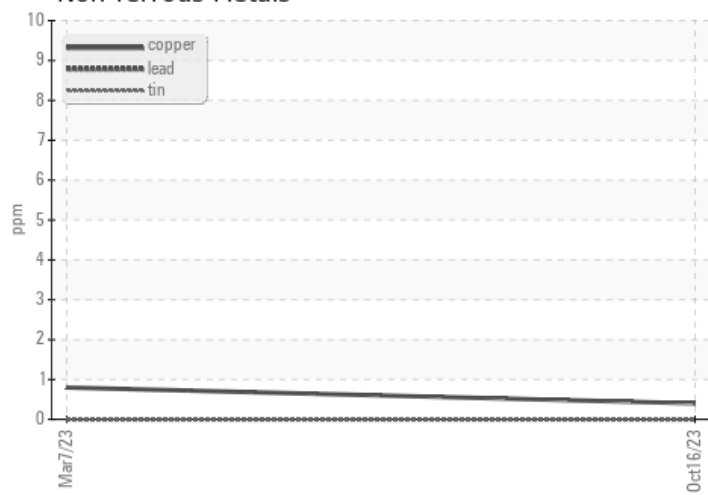


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

