

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-143895 - Front Differential

Sample No: LH06163747

Oil Type: GEAR OIL LS 80W90



TRAM CONSTRUCTION

9279 E KY 8

GARRISON, KY

US 41141

Contact: Service Manager

T:

F:



Sample Information

Sample Number	LH06163747	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	974	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 115	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

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



Additives

Calcium	ppm	474	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	201	---	---	---
Phosphorus	ppm	553	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	14	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

All 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.

Depot: TRAGARLH

Unique No: 11004466

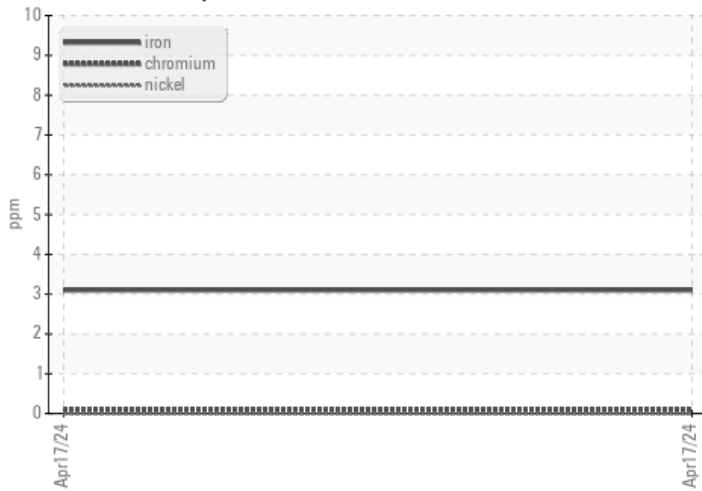
Signed: Wes Davis

Report Date: 30 Apr 2024

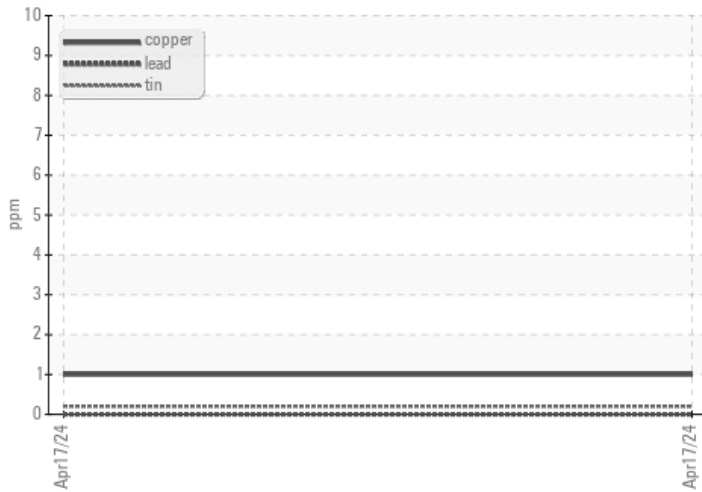


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

