

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 1761-66584 - Front Differential

Sample No: LH05893046

Oil Type: GEAR OIL SAE 90



SAMPLE INFORMATION

Sample Number	LH05893046	LH0235999	---	---
Sample Date	10 Jun 2023	23 Sep 2022	---	---
Machine Hours	2523	1033	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OZINGA MATERIALS
 11701 S TORRENCE AVE
 CHICAGO, IL
 US 60617
 Contact: RYAN DEWINDT
 ryandewindt@ozinga.com
 T: (708)243-6910
 F: (773)375-7226



OIL CONDITION

Visc @ 40°C	cSt	● 140	● 193	---	---
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CONTAMINATION

Silicon	ppm	● 8	● 20	---	---
Sodium	ppm	● 6	● 9	---	---
Potassium	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 99	● 157	---	---
Copper	ppm	● 61	● 121	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 3	● 8	---	---
Aluminum	ppm	● <1	● 3	---	---
Chromium	ppm	● 1	● 2	---	---
Molybdenum	ppm	● <1	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	● 0	● 0	---	---
Manganese	ppm	● 21	● 37	---	---
Vanadium	ppm	● 0	● <1	---	---



ADDITIVES

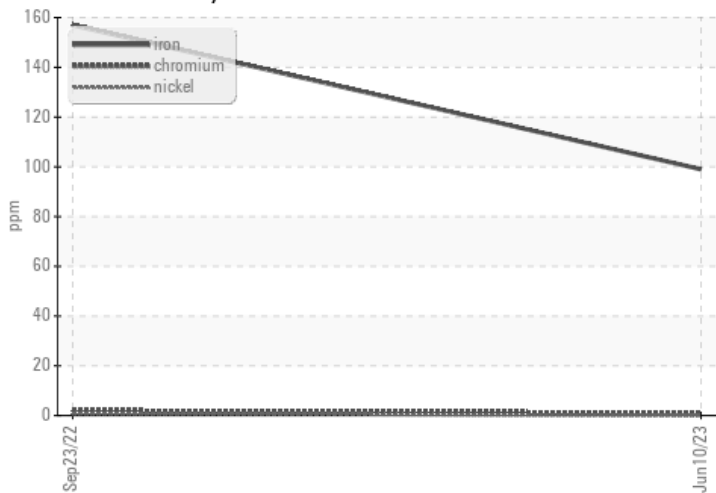
Calcium	ppm	● 57	● 9	---	---
Magnesium	ppm	● 2	● 2	---	---
Zinc	ppm	● 28	● 46	---	---
Phosphorus	ppm	● 2077	● 2292	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 317	● 2	---	---

Depot: CHICHILH
 Unique No: 10548856
 Signed: Don Baldrige
 Report Date: 11 Jul 2023

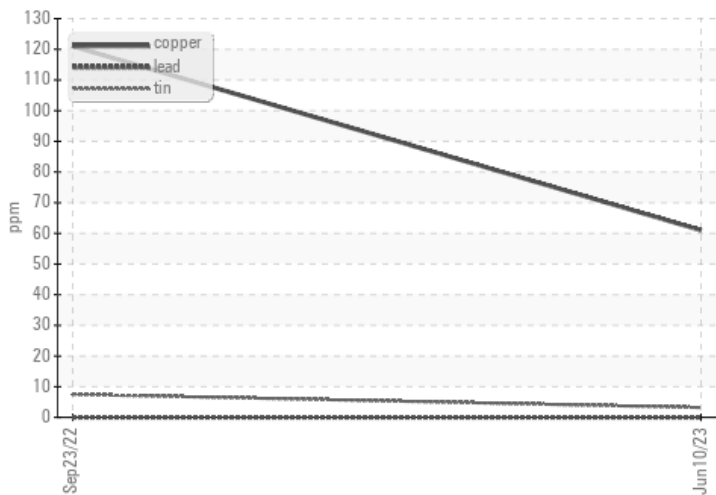


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

