

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 1761-66584 - Rear Differential

Sample No: LH05893048

Oil Type: GEAR OIL SAE 90



#### SAMPLE INFORMATION

Sample Number	LH05893048	LH0235836	---	---
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	● 194	---	---
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#### CONTAMINATION

Silicon	ppm	● 6	● 18	---	---
Sodium	ppm	● 5	● 8	---	---
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	● 74	● 136	---	---
Copper	ppm	● 50	● 103	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 3	● 6	---	---
Aluminum	ppm	● 1	● 3	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	● <1	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	● <1	● 0	---	---
Silver	ppm	1	0	---	---
Manganese	ppm	● 17	31	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 16	● 10	---	---
Magnesium	ppm	● 5	● 2	---	---
Zinc	ppm	● 28	● 44	---	---
Phosphorus	ppm	● 1691	● 2218	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 261	● 3	---	---

Depot: CHICHILH  
 Unique No: 10548858  
 Signed: Don Baldrige  
 Report Date: 11 Jul 2023



### GRAPHS

