

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 188367 - Center Swing Drive

Sample No: LH0296486

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0296486	---	---	---
Sample Date	21 Jun 2024	---	---	---
Machine Hours	652	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Steve Lehto  
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#### Oil Condition

Visc @ 40°C	cSt	● 196	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 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	● 175	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	● 0	---	---	---



#### Additives

Calcium	ppm	● 12	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 10	---	---	---
Phosphorus	ppm	● 1088	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● <1	---	---	---

Depot: LIEMIS  
 Unique No: 5801941  
 Signed: Wes Davis  
 Report Date: 27 Jun 2024



### Graphs

