

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 094706 - Left Planetary

Sample No: LH0036220

Oil Type: SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0036220	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8

Contact: Steve Lehto  
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#### OIL CONDITION

Visc @ 40°C	cSt	76.9	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	46	---	---	---
Sodium	ppm	8	---	---	---
Potassium	ppm	14	---	---	---



#### WEAR METALS

PQ		12	---	---	---
Iron	ppm	727	---	---	---
Copper	ppm	403	---	---	---
Lead	ppm	13	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	23	---	---	---
Chromium	ppm	6	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	26	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	11	---	---	---
Magnesium	ppm	133	---	---	---
Zinc	ppm	251	---	---	---
Phosphorus	ppm	1417	---	---	---
Barium	ppm	5	---	---	---
Boron	ppm	261	---	---	---

#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Copper ppm levels are severe. Iron ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS  
Unique No: 5694105  
Signed: Kevin Marson  
Report Date: 07 Dec 2023



### GRAPHS

