

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 111446 - Auxiliary Winch

Sample No: LH0151096

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0151096	---	---	---
Sample Date	04 Jan 2024	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### Liebherr Canada

140 - 21320 Gordon Way

Richmond, BC

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#### OIL CONDITION

Visc @ 40°C	cSt	● 111	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 28	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 13	---	---	---
Phosphorus	ppm	● 1144	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 264	---	---	---

#### 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 SAE 75W90. 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: LIERIC

Unique No: 5709044

Signed: Wes Davis

Report Date: 10 Jan 2024



### GRAPHS

