

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80C 1529-156494 - Diesel Engine

Sample No: LH0286308

Oil Type: LIEBHERR



**C AND B EQUIPMENT, LLC**  
 4831 US-42  
 GHENT, KY  
 US 41045  
 Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0286308	---	---	---
Sample Date	05 Mar 2024	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	13.4	---	---	---
Oxidation (PA)	%	73	---	---	---

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	110	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	78	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	5459	---	---	---
Magnesium	ppm	210	---	---	---
Zinc	ppm	1650	---	---	---
Phosphorus	ppm	1415	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	332	---	---	---

**Depot:** CANGHE  
**Unique No:** 10930241  
**Signed:** Don Baldrige  
**Report Date:** 22 Mar 2024



### GRAPHS

