

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [CONDRAIN] 18134 - Diesel Engine

Sample No: LH0277795

Oil Type: DIESEL ENGINE OIL SAE 30



#### SAMPLE INFORMATION

Sample Number	LH0277795	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	6550	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8

Contact: Joseph Rodgers  
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#### OIL CONDITION

Visc @ 100°C	cSt	● 11.0	---	---	---
Oxidation (PA)	%	69	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	● 1.5	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 60	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● <1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 1067	---	---	---
Magnesium	ppm	● 989	---	---	---
Zinc	ppm	● 1212	---	---	---
Phosphorus	ppm	● 1001	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 2	---	---	---

Depot: LIEMIS  
Unique No: 5682841  
Signed: Wes Davis  
Report Date: 22 Nov 2023



### GRAPHS

