

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-146094 - Diesel Engine

Sample No: LH0278141

Oil Type: {unknown}



#### Sample Information

Sample Number	LH0278141	LH0278138	---	---
Sample Date	30 May 2024	20 Dec 2023	---	---
Machine Hours	1169	575	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

TRAM CONSTRUCTION

9279 E KY 8

GARRISON, KY

US 41141

Contact: Service Manager



#### Oil Condition

Visc @ 100°C	cSt	● 11.0	● 11.3	---	---
Base Number (BN)	mg KOH/g	● 8.0	● 4.5	---	---
Oxidation (PA)	%	95	208	---	---

T:

F:

#### Diagnosis

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. 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.



#### Contamination

Water	%	NEG	NEG	---	---
Soot %	%	● 0.1	● 0.1	---	---
Nitration (PA)	%	89	103	---	---
Sulfation (PA)	%	60	110	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	● 1.1	---	---
Silicon	ppm	● 6	● 8	---	---
Sodium	ppm	● 3	● 0	---	---
Potassium	ppm	● 4	● 5	---	---



#### Wear Metals

Iron	ppm	● 1	● 14	---	---
Copper	ppm	● 53	● 273	---	---
Lead	ppm	● <1	● 2	---	---
Tin	ppm	● 0	● 1	---	---
Aluminum	ppm	● 1	● 3	---	---
Chromium	ppm	● <1	● 1	---	---
Molybdenum	ppm	● 44	● 46	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	● 0	● 0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	● 1361	● 1322	---	---
Magnesium	ppm	● 863	● 897	---	---
Zinc	ppm	● 806	● 866	---	---
Phosphorus	ppm	630	671	---	---
Barium	ppm	● 3	● 17	---	---
Boron	ppm	● 123	● 97	---	---

Depot: TRAGARLH

Unique No: 11076922

Signed: Don Baldrige

Report Date: 17 Jun 2024



### Graphs

