

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139870-1253 - Diesel Engine

Sample No: LHMC91091

Oil Type: LIEBHERR MOTOROIL 5W30



**RECO EQUIPMENT INC.**  
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#### SAMPLE INFORMATION

Sample Number	LHMC91091	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	2015	---	---	---
Oil Hours	2015	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	4.8	---	---	---
Oxidation (PA)	%	159	---	---	---



#### CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	133	---	---	---
Sulfation (PA)	%	90	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	5	---	---	---



#### WEAR METALS

Iron	ppm	22	---	---	---
Copper	ppm	62	---	---	---
Lead	ppm	14	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	23	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

Calcium	ppm	2436	---	---	---
Magnesium	ppm	599	---	---	---
Zinc	ppm	1076	---	---	---
Phosphorus	ppm	965	---	---	---
Barium	ppm	25	---	---	---
Boron	ppm	143	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. 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.

**Depot:** LEC0070  
**Unique No:** 10713547  
**Signed:** Don Baldrige  
**Report Date:** 30 Oct 2023



### GRAPHS

