

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 120561-1217 - Splitter Box

Sample No: LHMC154850

Oil Type: DIESEL ENGINE OIL SAE 5W40



**AMERICAN STATE EQUIPMENT CO.**  
 2400 NORTH 14TH AVENUE  
 WAUSAU, WI  
 US 54401  
 Contact: CHRIS BARTNIK  
 cbartnik@amstate.com  
 T: (715)675-6900  
 F: (715)675-9748



#### SAMPLE INFORMATION

Sample Number	LHMC154850	LH0253867	LH0199944	---
Sample Date	31 Jan 2024	08 Sep 2023	11 Feb 2022	---
Machine Hours	4643	3762	983	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	135	153	186	---
-------------	-----	-----	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	<1	4	---
Sodium	ppm	0	3	4	---
Potassium	ppm	0	0	<1	---



#### WEAR METALS

Iron	ppm	24	44	43	---
Copper	ppm	<1	1	11	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	52	42	8	---
Magnesium	ppm	10	2	1	---
Zinc	ppm	41	41	11	---
Phosphorus	ppm	885	1095	1231	---
Barium	ppm	0	0	377	---
Boron	ppm	0	0	3	---

#### 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 condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 10899413  
 Signed: Sean Felton  
 Report Date: 28 Feb 2024



### GRAPHS

