

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 110890-1184 - Diesel Engine

Sample No: LHMC130935

Oil Type: DIESEL ENGINE OIL SAE 5W40



#### SAMPLE INFORMATION

Sample Number	LHMC130935	---	---	---
Sample Date	16 Sep 2023	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**UNITED SCRAP**  
 1545 S CICERO AVE  
 CHICAGO, IL  
 US 60804  
 Contact:



#### OIL CONDITION

Visc @ 100°C	cSt	13.0	---	---	---
Base Number (BN)	mg KOH/g	5.6	---	---	---
Oxidation (PA)	%	82	---	---	---

T:  
F:

#### 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 suitable for further service.



#### CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	87	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	23	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	7	---	---	---



#### WEAR METALS

Iron	ppm	31	---	---	---
Copper	ppm	27	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	74	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1481	---	---	---
Magnesium	ppm	643	---	---	---
Zinc	ppm	915	---	---	---
Phosphorus	ppm	736	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	69	---	---	---

Depot: UNICILH  
 Unique No: 10671668  
 Signed: Wes Davis  
 Report Date: 02 Oct 2023



### GRAPHS

