

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [RMR-Metropolis] LIEBHERR LH80C T14802-1529 - Diesel Engi

Sample No: LH06072056

Oil Type: LIEBHERR MOTOROIL 5W30



#### SAMPLE INFORMATION

Sample Number	LH06072056	LH05920529	LHMC201010	LHMC101923
Sample Date	13 Oct 2023	02 Nov 2022	17 Mar 2021	12 Aug 2020
Machine Hours	6708	5436	2631	1430
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

#### RECO EQUIPMENT INC.

1615 JP HENESSY DRIVE  
LAVERGNE, TN  
US 37086  
Contact: DAVID CHALFANT  
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#### OIL CONDITION

Visc @ 100°C	cSt	11.0	11.2	11.8	13.59
Base Number (BN)	mg KOH/g	11.7	7.6	---	---
Oxidation (PA)	%	52	80	78	58



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	109	96	83	46
Sulfation (PA)	%	46	54	62	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	5	5
Sodium	ppm	2	<1	2	2
Potassium	ppm	<1	2	2	4



#### WEAR METALS

Iron	ppm	14	5	5	3
Copper	ppm	2	4	1	2
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	1	1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	15	34	56	83
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

Calcium	ppm	3619	1719	1493	1576
Magnesium	ppm	167	792	573	491
Zinc	ppm	1142	926	818	777
Phosphorus	ppm	1003	713	699	709
Barium	ppm	0	0	0	0
Boron	ppm	220	102	154	269

#### 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.

Depot: RECLAV  
Unique No: 10848733  
Signed: Wes Davis  
Report Date: 29 Jan 2024

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### GRAPHS

