

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Metropolis] LIEBHERR LH80C T14802-1529 - Swing Driv

Sample No: LH06072401

Oil Type: GEAR OIL SAE 85W90



SAMPLE INFORMATION

Sample Number	LH06072401	LH05920877	LHMC201009	LHMC141083
Sample Date	13 Oct 2023	02 Nov 2022	17 Mar 2021	24 Nov 2020
Machine Hours	6708	5436	2631	1971
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	N/A
Sample Status	SEVERE	ABNORMAL	ABNORMAL	ABNORMAL

RECO EQUIPMENT INC.
 1615 JP HENESSY DRIVE
 LAVERGNE, TN
 US 37086
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OIL CONDITION

Visc @ 40°C	cSt	240	172	114	212
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CONTAMINATION

Water	%	1.31	0.164	0.605	0.130
Silicon	ppm	4	<1	4	6
Sodium	ppm	0	0	0	2
Potassium	ppm	<1	<1	<1	3



WEAR METALS

Iron	ppm	1392	475	330	1440
Copper	ppm	344	34	36	144
Lead	ppm	0	0	<1	1
Tin	ppm	6	1	1	6
Aluminum	ppm	3	0	1	0
Chromium	ppm	13	5	3	14
Molybdenum	ppm	<1	<1	<1	3
Nickel	ppm	3	<1	1	6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	4
Manganese	ppm	9	3	2	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	29	10	8	62
Magnesium	ppm	5	0	0	4
Zinc	ppm	47	9	4	25
Phosphorus	ppm	1764	1820	475	1865
Barium	ppm	0	0	0	0
Boron	ppm	4	0	11	8

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: RECLAV
 Unique No: 10849078
 Signed: Sean Felton
 Report Date: 30 Jan 2024



GRAPHS

