

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112545-1253 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0270117	LH0261586	LH0256981
Sample Date	07 Dec 2023	27 Sep 2023	08 May 2023	10 Mar 2023
Machine Hours	13530	1297	11758	11210
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### GREEN METALS CANADA

224 BEARDS LANE  
WOODSTOCK, ON  
CA N4S 7W3

Contact: Jamie Depotie  
jdepotie@gmcan.ca  
T: (519)539-1313  
F: (519)539-5130



#### OIL CONDITION

Visc @ 40°C	cSt	86.0	85.5	70.8	74.0
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● <1	● 1	● 1	● 1
Sodium	ppm	● 3	● 1	● 3	● 1
Potassium	ppm	● 1	● 0	● <1	● <1



#### WEAR METALS

Iron	ppm	● 10	● 9	● 13	● 12
Copper	ppm	● 2	● 1	● 2	● 2
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● 0	● 0	● <1	● 0
Aluminum	ppm	● <1	● 0	● 0	● <1
Chromium	ppm	● 0	● 0	● 0	● 0
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● 0	● 0	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● <1	● <1	● 0	● 0
Manganese	ppm	● 0	● 0	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



#### ADDITIVES

Calcium	ppm	● 45	● 54	● 145	● 137
Magnesium	ppm	● 1	● 2	● 2	● 2
Zinc	ppm	● 104	● 115	259	231
Phosphorus	ppm	● 1148	● 1197	● 1143	● 1223
Barium	ppm	● <1	● <1	● 0	● 0
Boron	ppm	● 283	● 269	● 181	● 195

#### 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: GRE224WOO  
Unique No: 5695017  
Signed: Wes Davis  
Report Date: 09 Dec 2023



### GRAPHS

