

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112545-1253 - Swing Drive

Sample No: LH0289580

Oil Type: GEAR OIL SAE 80W90



**GREEN METALS CANADA**  
 224 BEARDS LANE  
 WOODSTOCK, ON  
 CA N4S 7W3  
 Contact: Jamie Depotie  
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#### Sample Information

Sample Number	LH0289580	LH0270125	LH0247425	LH
Sample Date	06 May 2024	27 Sep 2023	13 Dec 2022	20 Oct 2021
Machine Hours	15168	1297	10473	7113
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	103	103	101	100
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● <1	● 2	● 2	● 2
Sodium	ppm	● <1	● 2	● 1	● <1
Potassium	ppm	● 0	● 0	● <1	● <1



#### Wear Metals

Iron	ppm	● 30	● 30	● 390	● 436
Copper	ppm	● 28	● 30	● 94	● 89
Lead	ppm	● 0	● 1	● 2	● 2
Tin	ppm	● 0	● <1	● 1	● <1
Aluminum	ppm	● 0	● 0	● <1	● <1
Chromium	ppm	● 0	● 0	● 5	● 5
Molybdenum	ppm	● 0	● 0	● 0	● <1
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● <1	● 0	● <1
Manganese	ppm	● 0	● 0	● 3	● 3
Vanadium	ppm	● 0	● 0	● 0	● 0



#### Additives

Calcium	ppm	● 13	● 10	● 16	● 8
Magnesium	ppm	● 1	● <1	● 1	● 1
Zinc	ppm	● 11	● 9	● 15	● 8
Phosphorus	ppm	● 1192	● 1212	● 1328	● 1284
Barium	ppm	● <1	● <1	● 0	● 0
Boron	ppm	● 309	● 304	● 316	● 326

#### 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: 5775102  
 Signed: Wes Davis  
 Report Date: 07 May 2024



### Graphs

