

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[KIMMEL]] LIEBHERR LH50M 1216-117 615 - Swing Drive

Sample No: LH06073288

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH06073288	LH0243174	LHMC155615	LHMC131784
Sample Date	28 Jan 2024	14 Apr 2023	21 Jun 2021	04 Dec 2020
Machine Hours	1216	6895	3193	2028
Oil Hours	0	1000	0	860
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**RECO EQUIPMENT INC**  
 10461 GRAND RIVER RD  
 BRIGHTON, MI  
 US 48116  
 Contact: MATT VISEL  
 MVISEL@RECOEQUIP.COM  
 T: (810)299-1731  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	187	188	192	179
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	2	<1
Sodium	ppm	1	2	3	2
Potassium	ppm	2	1	1	<1

#### 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.



#### WEAR METALS

Iron	ppm	98	347	74	183
Copper	ppm	63	65	86	58
Lead	ppm	0	0	<1	<1
Tin	ppm	4	2	2	2
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	<1	3	<1	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	3	<1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	36	28	10	39
Magnesium	ppm	15	3	1	5
Zinc	ppm	29	19	7	19
Phosphorus	ppm	2213	2204	2459	1981
Barium	ppm	0	<1	0	8
Boron	ppm	1	11	27	20

**Depot:** RECBRILH  
**Unique No:** 10849965  
**Signed:** Don Baldrige  
**Report Date:** 31 Jan 2024



### GRAPHS

