

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Swing Drive

Sample No: LH0241898

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**  
 474 ROUTE 105  
 BOIS-FRANC, QC  
 CA J9E 3A9  
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#### SAMPLE INFORMATION

Sample Number	LH0241898	LH0241874	LH0239955	LH0241862
Sample Date	01 Mar 2024	31 Oct 2023	04 Sep 2023	06 Jul 2023
Machine Hours	3900	2739	2265	1668
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	179	155	107	168
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#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	87	21	31	56
Copper	ppm	23	17	36	41
Lead	ppm	0	<1	<1	<1
Tin	ppm	1	<1	1	1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	4	3	7
Magnesium	ppm	<1	<1	0	<1
Zinc	ppm	8	5	7	12
Phosphorus	ppm	2288	2001	1174	2266
Barium	ppm	0	0	<1	<1
Boron	ppm	7	31	121	19

#### 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: HUBBOI  
 Unique No: 5750507  
 Signed: Wes Davis  
 Report Date: 28 Mar 2024



### GRAPHS

