

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 118290-1216 - Swing Drive

Sample No: LH0158911

Oil Type: LIEBHERR GEAR BASIC 90 LS



**Weyerhaeuser**  
 1000 Jones road  
 Kenora, ON  
 CA P9N 3X8  
 Contact: Rene Gagne  
 rene.gagne@weyerhaeuser.com  
 T: (807)548-7277  
 F: (807)548-7201



#### Sample Information

Sample Number	LH0158911	LH0158897	LH0158883	LH0158869
Sample Date	09 Oct 2021	05 Aug 2021	09 Jun 2021	07 Apr 2021
Machine Hours	9990	9041	8025	6995
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	MARGINAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	224	192	193	195



#### Contamination

Water	%	0.130	NEG	NEG	NEG
Silicon	ppm	2	0	<1	<1
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	<1	<1	<1



#### Wear Metals

Iron	ppm	601	22	11	13
Copper	ppm	39	24	18	13
Lead	ppm	3	<1	<1	<1
Tin	ppm	2	<1	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	5	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	4	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	5	4	6	2
Magnesium	ppm	<1	<1	<1	0
Zinc	ppm	13	7	6	3
Phosphorus	ppm	2229	2446	2253	2192
Barium	ppm	<1	0	0	<1
Boron	ppm	4	1	0	<1

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. There is a trace of moisture present in the oil. Viscosity of sample indicates oil is within SAE 80W140 range, advise investigate. The condition of the oil is acceptable for the time in service.

**Depot:** WEY100KEN  
**Unique No:** 5302516  
**Signed:** Kevin Marson  
**Report Date:** 20 Oct 2021



### Graphs

