

LIEBHERR

CONSTRUCTION EQUIPMENT



[(365672)] LIEBHERR LH50M 135585-1216 - Swing Drive

Sample No: LH0223050

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0223050	LH0223038	LH0223026	LH0223014
Sample Date	26 Oct 2022	25 Aug 2022	27 Jun 2022	03 May 2022
Machine Hours	4976	3930	2996	2003
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Weyerhaeuser

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Oil Condition

Visc @ 40°C	cSt	188	179	181	175



Contamination

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



Wear Metals

Iron	ppm	52	63	62	84
Copper	ppm	65	57	49	47
Lead	ppm	2	1	1	2
Tin	ppm	6	5	2	3
Aluminum	ppm	<1	0	0	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	7	9	15	29
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	12	15	13	12
Phosphorus	ppm	2394	2197	2308	2373
Barium	ppm	0	<1	<1	1
Boron	ppm	2	2	2	6

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: WEY100KEN

Unique No: 5477273

Signed: Wes Davis

Report Date: 02 Nov 2022



Graphs

