LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 135058-1216 - Swing Drive

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



CONT	AMINATIO	N			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	O 2	O 2	O 2
Sodium	ppm	2	O <1	1	4
Potassium	ppm	0	O 0	O 0	1
-					

WEA	R METALS				
Iron	ppm	914	8	O 75	140
Copper	ppm	453	4	○ 34	○ 38
Lead	ppm	15	0	1	O 1
Tin	ppm	2	O <1	O 1	O 2
Aluminum	ppm	○ <1	0	O <1	O <1
Chromium	ppm	6	0	O <1	O <1
Molybdenum	ppm	() <1	0	O 0	O <1
Nickel	ppm	2	0	O <1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	0	O <1	1
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0		
ADDITIVES							
Calcium	ppm	8	6	8	O 42		
Magnesium	ppm	3	0	<1	O 2		
Zinc	ppm	14	4	6	18		
Phosphorus	ppm	1084	O 1023	1225	O 2245		
Barium	ppm	0	O 0	2	7		
Boron	ppm	158	O 166	156	O 21		



GEORGIA PACIFIC NORTH WOODS LP 327022 HWY #11 NORTH ENGLEHART, ON CA P0J 1H0

Contact: Basil Obermuller basil.obermuller@gapac.com

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Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Lead ppm levels are severe. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: GRAENG
Unique No: 5512083
Signed: Kevin Marson
Report Date: 03 Jan 2023

CONSTRUCTION EQUIPMENT





GRAPHS

