

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112545-1253 - Swing Drive

Sample No: LH0270125

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0270125	LH0247425	LH	LH
Sample Date	27 Sep 2023	13 Dec 2022	20 Oct 2021	20 May 2021
Machine Hours	1297	10473	7113	6034
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GREEN METALS CANADA

224 BEARDS LANE
WOODSTOCK, ON
CA N4S 7W3

Contact: Jamie Depotie
jdepotie@gmcan.ca
T: (519)539-1313
F: (519)539-5130



OIL CONDITION

Visc @ 40°C	cSt	103	101	100	98.5
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CONTAMINATION

Silicon	ppm	2	2	2	2
Sodium	ppm	2	1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	30	390	436	214
Copper	ppm	30	94	89	53
Lead	ppm	1	2	2	2
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	5	5	2
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	3	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	10	16	8	10
Magnesium	ppm	<1	1	1	1
Zinc	ppm	9	15	8	7
Phosphorus	ppm	1212	1328	1284	1215
Barium	ppm	<1	0	0	0
Boron	ppm	304	316	326	305

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: GRE224WOO
Unique No: 5654984
Signed: Wes Davis
Report Date: 28 Sep 2023



GRAPHS

