

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112545-1253 - Front Differential

Sample No: LH0270119

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0270119	LH0247422	LH0239583	LH
Sample Date	27 Sep 2023	13 Dec 2022	19 Aug 2022	20 Oct 2021
Machine Hours	1297	10423	9604	7113
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	104	101	106	104
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#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	<1	2	2	1
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	11	15	16	7
Magnesium	ppm	3	2	2	1
Zinc	ppm	10	6	11	5
Phosphorus	ppm	1193	1301	1227	1296
Barium	ppm	<1	0	0	0
Boron	ppm	300	318	308	329

#### 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: 5654973

Signed: Wes Davis

Report Date: 28 Sep 2023



### GRAPHS

