

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341151)] LIEBHERR LH50M 124548-1216 - Front Differential

Sample No: LH0279480

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0279480	LH0251088	LH0225577	LH0226985
Sample Date	29 Nov 2023	15 Feb 2023	08 Jun 2022	22 Mar 2022
Machine Hours	8966	8375	7139	6191
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

INDUSTRIES GDS INC.

6 CHEMIN QOSPEM  
POINTE-A-LA-CROIX, QC  
CA G0C 1L0

Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	193	180	180	180

T:

F:



#### CONTAMINATION

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

#### 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.



#### WEAR METALS

Iron	ppm	2	4	4	2
Copper	ppm	2	3	3	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	3	6	3
Magnesium	ppm	<1	0	<1	0
Zinc	ppm	4	4	9	3
Phosphorus	ppm	2243	2568	2420	2339
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	2	1

Depot: IND6POI

Unique No: 5694367

Signed: Wes Davis

Report Date: 06 Dec 2023



### GRAPHS

