

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341151)] LIEBHERR LH50M 124548-1216 - Swing Drive

Sample No: LH0279479

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0279479	LH0251084	LH0225578	LH
Sample Date	29 Nov 2023	15 Feb 2023	08 Jun 2022	11 Jan 2022
Machine Hours	8966	8375	7139	0
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	188	166	183	180

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	<1	<1
Sodium	ppm	1	2	2	2
Potassium	ppm	0	<1	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	23	56	48	161
Copper	ppm	34	96	97	58
Lead	ppm	2	2	3	2
Tin	ppm	2	6	5	6
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	4	7	10
Magnesium	ppm	<1	0	0	<1
Zinc	ppm	9	10	15	25
Phosphorus	ppm	2172	2081	2424	2278
Barium	ppm	<1	0	0	0
Boron	ppm	14	71	2	3

**Depot:** IND6POI  
**Unique No:** 5694372  
**Signed:** Wes Davis  
**Report Date:** 06 Dec 2023



### GRAPHS

