

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336305)] LIEBHERR L566 057382-1332 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH	LH0270049	LH0256093	LH0235158
Sample Date	13 Sep 2023	07 Aug 2023	14 Apr 2023	23 Sep 2022
Machine Hours	5000	4851	3900	3045
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CGC DIVISION GYPSUM**  
7200 RUE NOTRE-DAME EST  
MONTREAL, QC  
CA H1N 3L6  
Contact: YVES CHEVALIER



#### OIL CONDITION

Visc @ 40°C	cSt	178	178	178	175
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T: (514)255-4061  
F: (514)255-6075



#### CONTAMINATION

Silicon	ppm	13	1	2	3
Sodium	ppm	2	1	2	3
Potassium	ppm	<1	<1	0	0

#### 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	37	32	84	54
Copper	ppm	7	6	19	23
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	4	18	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	18	17	9	77
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	8	7	7	26
Phosphorus	ppm	2305	2484	2426	2374
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	1	3

Depot: CAN720MON  
Unique No: 5643964  
Signed: Wes Davis  
Report Date: 15 Sep 2023



### GRAPHS

