

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363878)] LIEBHERR L556 0657 24-1826 - Front Differential

Sample No: LH0279061

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0279061	LH	LH0270054	LH0251246
Sample Date	24 Jan 2024	20 Oct 2023	07 Aug 2023	08 Mar 2023
Machine Hours	10322	8903	0	6115
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	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	180	190	180	177
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T: (514)255-4061  
 F: (514)255-6075



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	2	3
Sodium	ppm	<1	2	1	2
Potassium	ppm	<1	<1	<1	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	27	27	29	61
Copper	ppm	6	5	5	18
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	2	5	0
Magnesium	ppm	<1	0	<1	0
Zinc	ppm	6	7	10	5
Phosphorus	ppm	2357	2518	2381	2484
Barium	ppm	0	<1	0	0
Boron	ppm	<1	1	2	7

Depot: CAN720MON  
 Unique No: 5720742  
 Signed: Wes Davis  
 Report Date: 26 Jan 2024



### GRAPHS

