

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0279060

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0279060	LH	LH0270055	LH0251242
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	182	181	176
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T: (514)255-4061  
F: (514)255-6075



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	2	4
Sodium	ppm	<1	2	1	2
Potassium	ppm	<1	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	28	27	30	83
Copper	ppm	7	5	6	25
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	0	<1	2
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	4
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	7	6	<1
Magnesium	ppm	<1	0	<1	0
Zinc	ppm	6	7	8	7
Phosphorus	ppm	2345	2544	2375	2462
Barium	ppm	0	<1	0	0
Boron	ppm	<1	1	3	10

Depot: CAN720MON  
Unique No: 5720762  
Signed: Wes Davis  
Report Date: 29 Jan 2024



### GRAPHS

