

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0270055	LH0251242	LH0242931
Sample Date	20 Oct 2023	07 Aug 2023	08 Mar 2023	10 Jan 2023
Machine Hours	8903	0	6115	4987
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	182	181	176	162
-------------	-----	-----	-----	-----	-----

T: (514)255-4061
F: (514)255-6075



CONTAMINATION

Silicon	ppm	2	2	4	2
Sodium	ppm	2	1	2	1
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	27	30	83	55
Copper	ppm	5	6	25	14
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	<1	2	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	1	4	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	6	<1	5
Magnesium	ppm	0	<1	0	<1
Zinc	ppm	7	8	7	5
Phosphorus	ppm	2544	2375	2462	2461
Barium	ppm	<1	0	0	0
Boron	ppm	1	3	10	43

Depot: CAN720MON
Unique No: 5670108
Signed: Wes Davis
Report Date: 31 Oct 2023



GRAPHS

