

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336305)] LIEBHERR L566 057382-1332 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0270048	LH0256087	LH0235157
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 Changd	Not Changd	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	177	176	179	177

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



CONTAMINATION

Element	ppm	1	1	2	2
Silicon	ppm	1	1	2	2
Sodium	ppm	2	1	2	3
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

Element	ppm	37	35	51	52
Iron	ppm	37	35	51	52
Copper	ppm	8	8	17	22
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	2	2	4	4
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	20	20	6	58
Calcium	ppm	20	20	6	58
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	10	10	7	23
Phosphorus	ppm	2354	2482	2411	2345
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	<1	2

Depot: CAN720MON
 Unique No: 5643960
 Signed: Wes Davis
 Report Date: 15 Sep 2023



GRAPHS

