

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0270054

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0270054	LH0251246	LH0238953	LH0235352
Sample Date	07 Aug 2023	08 Mar 2023	03 Nov 2022	20 Jul 2022
Machine Hours	0	6115	4119	2934
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	177	95.7	181
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T: (514)255-4061
 F: (514)255-6075



CONTAMINATION

Silicon	ppm	2	3	3	4
Sodium	ppm	1	2	2	1
Potassium	ppm	<1	0	0	<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	29	61	66	48
Copper	ppm	5	18	28	27
Lead	ppm	0	<1	<1	1
Tin	ppm	<1	1	1	1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	5	0	13	10
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	10	5	11	16
Phosphorus	ppm	2381	2484	2283	2304
Barium	ppm	0	0	0	0
Boron	ppm	2	7	298	1

Depot: CAN720MON
 Unique No: 5620253
 Signed: Wes Davis
 Report Date: 10 Aug 2023



GRAPHS

