

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347076)] LIEBHERR L586 062518-1761 - Rear Differential

Sample No: LH0269529

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0269529	LH0234511	LH0238542	LH0224196
Sample Date	09 Sep 2023	17 Jan 2023	20 Aug 2022	30 Mar 2022
Machine Hours	7038	5327	4090	2924
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

MODERN CONSTRUCTION (1983) LTD.
 364 BRIGGS CROSS ROAD
 STILESVILLE, NB
 CA E1G 3G3
 Contact: Blaine Cail
 blaine.cail@moderngroup.ca
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	173	175	174	191
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CONTAMINATION

Silicon	ppm	9	9	3	11
Sodium	ppm	2	1	2	4
Potassium	ppm	<1	0	0	<1



WEAR METALS

Iron	ppm	288	130	108	247
Copper	ppm	170	109	58	252
Lead	ppm	4	2	2	7
Tin	ppm	11	6	4	10
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	2	<1	<1	2
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	5	4	6	17
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	11	12	4
Magnesium	ppm	<1	<1	<1	0
Zinc	ppm	81	45	47	54
Phosphorus	ppm	2473	2459	2363	2492
Barium	ppm	0	0	0	0
Boron	ppm	2	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.

Depot: MODSTI
 Unique No: 5643292
 Signed: Kevin Marson
 Report Date: 14 Sep 2023



GRAPHS

