

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Rear Differential

Sample No: LH0284802

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0284802	LH0269542	LH0238506	LH0224242
Sample Date	01 Jun 2024	19 Jul 2023	27 Aug 2022	21 Mar 2022
Machine Hours	9663	7908	6201	4963
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	180	178	177	185
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	3	6
Sodium	ppm	2	2	3	2
Potassium	ppm	<1	<1	0	<1



Wear Metals

Iron	ppm	39	103	74	113
Copper	ppm	33	74	54	125
Lead	ppm	0	2	2	3
Tin	ppm	2	4	4	6
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	4
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	4	14	10	13
Magnesium	ppm	1	1	1	<1
Zinc	ppm	14	42	40	29
Phosphorus	ppm	2280	2283	2166	2412
Barium	ppm	0	0	0	0
Boron	ppm	1	<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: 5799010
 Signed: Wes Davis
 Report Date: 12 Jun 2024



Graphs

