

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 058216-1334 - Front Differential

Sample No: LH0284801

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0284801	LH0269545	LH0260334	LH0238505
Sample Date	01 Jun 2024	19 Jul 2023	14 May 2023	27 Aug 2022
Machine Hours	9663	7908	7544	6201
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	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	179	176	134	177
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	12	4
Sodium	ppm	2	1	2	3
Potassium	ppm	0	<1	<1	<1



#### Wear Metals

Iron	ppm	62	37	199	152
Copper	ppm	42	22	134	71
Lead	ppm	<1	<1	3	2
Tin	ppm	2	<1	7	4
Aluminum	ppm	<1	2	4	2
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	5	3	2
Vanadium	ppm	0	0	<1	0



#### Additives

Calcium	ppm	5	6	18	13
Magnesium	ppm	1	<1	2	<1
Zinc	ppm	18	13	34	37
Phosphorus	ppm	2254	2340	2400	2097
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	2	<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: 5799009  
 Signed: Wes Davis  
 Report Date: 12 Jun 2024



### Graphs

