

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Rear Right Wheel Hub

Sample No: LH0287917

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0287917	LH0269549	LH0238508	LH0195051
Sample Date	01 Jun 2024	19 Jul 2023	27 Aug 2022	08 Nov 2021
Machine Hours	9663	7908	6201	4200
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	176	176	176
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	3	6
Sodium	ppm	3	2	3	4
Potassium	ppm	<1	<1	0	<1



Wear Metals

Iron	ppm	40	85	74	157
Copper	ppm	33	52	55	99
Lead	ppm	0	<1	2	3
Tin	ppm	2	3	3	6
Aluminum	ppm	<1	1	<1	1
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	2	6
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	3	13	10	31
Magnesium	ppm	1	1	<1	1
Zinc	ppm	13	40	40	134
Phosphorus	ppm	2309	2249	2159	2607
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	1	3

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: 5799020
 Signed: Wes Davis
 Report Date: 12 Jun 2024



Graphs

