

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Front Left Wheel Hub

Sample No: LH0284804

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0284804	LH0269541	LH0238510	LH0224244
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	Not Changd	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	179	176	177	191
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	4	14
Sodium	ppm	<1	1	3	2
Potassium	ppm	<1	<1	0	<1



Wear Metals

Iron	ppm	61	39	150	250
Copper	ppm	42	20	70	213
Lead	ppm	<1	<1	2	6
Tin	ppm	2	<1	4	11
Aluminum	ppm	<1	1	2	2
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	4	2	4
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	5	7	13	10
Magnesium	ppm	<1	1	1	<1
Zinc	ppm	16	14	37	39
Phosphorus	ppm	2230	2300	2066	2414
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	<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: 5799011
 Signed: Wes Davis
 Report Date: 12 Jun 2024

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Graphs

