

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Rear Right Wheel Hub

Sample No: LH0269549

Oil Type: SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0269549	LH0238508	LH0195051	LH0194966
Sample Date	19 Jul 2023	27 Aug 2022	08 Nov 2021	17 Jun 2021
Machine Hours	7908	6201	4200	3025
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	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
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 F:



OIL CONDITION

Visc @ 40°C	cSt	176	176	176	188
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CONTAMINATION

Silicon	ppm	4	3	6	6
Sodium	ppm	2	3	4	4
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	85	74	157	128
Copper	ppm	52	55	99	142
Lead	ppm	<1	2	3	5
Tin	ppm	3	3	6	7
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	2	6	9
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	13	10	31	95
Magnesium	ppm	1	<1	1	<1
Zinc	ppm	40	40	134	97
Phosphorus	ppm	2249	2159	2607	2274
Barium	ppm	0	0	0	<1
Boron	ppm	2	1	3	3

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: MODSTI
 Unique No: 5619653
 Signed: Wes Davis
 Report Date: 08 Aug 2023



GRAPHS

