

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Front Left Wheel Hub

Sample No: LH0269541

Oil Type: SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0269541	LH0238510	LH0224244	LH0195046
Sample Date	19 Jul 2023	27 Aug 2022	21 Mar 2022	08 Nov 2021
Machine Hours	7908	6201	4963	4200
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	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	176	177	191	188
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	5	4	14	9
Sodium	ppm	1	3	2	4
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	39	150	250	335
Copper	ppm	20	70	213	154
Lead	ppm	<1	2	6	4
Tin	ppm	<1	4	11	10
Aluminum	ppm	1	2	2	3
Chromium	ppm	<1	<1	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	4	7
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	7	13	10	11
Magnesium	ppm	1	1	<1	1
Zinc	ppm	14	37	39	102
Phosphorus	ppm	2300	2066	2414	2620
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	1	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: 5619621
 Signed: Wes Davis
 Report Date: 08 Aug 2023



GRAPHS

