

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058216-1334 - Rear Differential

Sample No: LH0269542
 Oil Type: SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0269542	LH0238506	LH0224242	LH0195045
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	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
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	178	177	185	176
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CONTAMINATION

Silicon	ppm	6	3	6	5
Sodium	ppm	2	3	2	4
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	103	74	113	157
Copper	ppm	74	54	125	99
Lead	ppm	2	2	3	3
Tin	ppm	4	4	6	6
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	4	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	10	13	32
Magnesium	ppm	1	1	<1	<1
Zinc	ppm	42	40	29	134
Phosphorus	ppm	2283	2166	2412	2608
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	2

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: 5619624
 Signed: Wes Davis
 Report Date: 08 Aug 2023



GRAPHS

