

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347076)] LIEBHERR L586 062518-1761 - Rear Differential

Sample No: LH0280854

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0280854	LH0269529	LH0234511	LH0238542
Sample Date	19 Jan 2024	09 Sep 2023	17 Jan 2023	20 Aug 2022
Machine Hours	8083	7038	5327	4090
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	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	189	173	175	174



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	9	9	3
Sodium	ppm	2	2	1	2
Potassium	ppm	3	<1	0	0



WEAR METALS

Iron	ppm	179	288	130	108
Copper	ppm	116	170	109	58
Lead	ppm	3	4	2	2
Tin	ppm	7	11	6	4
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	1	2	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	3	5	4	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	6	11	12
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	44	81	45	47
Phosphorus	ppm	2270	2473	2459	2363
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: 5720309
 Signed: Wes Davis
 Report Date: 25 Jan 2024



GRAPHS

