LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR L580 040770-1170 - Front Differential

Sample No: LH0268673

Oil Type: LIEBHERR GEAR BASIC 90 LS

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SAN	IPLE INFO	ORMATION			
Sample Number		LH0268673	LH0267401	LH0264336	LH0174208
Sample Date		15 Feb 2024	22 Nov 2023	08 Aug 2023	28 Apr 2023
Machine Hours		10135	9737	9297	8817
Oil Hours		400	400	500	500
Oil Changed		Changed	Not Changd	Changed	Not Changd
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
OIL	CONDITION	ON			
Visc @ 40°C	cSt	187	190	O 192	O 195
CON	TAMINA	ATION			
Water	%	NEG	NEG	NEG	NEG
Ciliana	10.10.100	0.0	O F	0.7	O F

CONT	AMINATIO	N			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6		O 7	5
Sodium	ppm	0	0	O 2	○ 3
Potassium	ppm	1	O <1	O <1	O 2

WEA	R METALS				
Iron	ppm	173	O 156	O 276	○ 203
Copper	ppm	3	O 1	4	3
Lead	ppm	0	O 0	0	0
Tin	ppm	0	O <1	0	0
Aluminum	ppm	2	O 2	O 2	O 2
Chromium	ppm	2	O 2	3	3
Molybdenum	ppm	32	○ 28	50	○ 36
Nickel	ppm	0	O <1	O <1	O 1
Titanium	ppm	0	O 0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	O 2	3	O 2
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
ADI	DITIVES				
Calcium	ppm	24	2 5	48	O 41
Magnesium	ppm	3	4	5	4
Zinc	ppm	9	0 8	O 19	O 18
Phosphorus	ppm	2435	○ 2582	O 2238	O 2445
Barium	ppm	0	O 0	O 2	O 0
Boron	ppm	O <1	O 2	O 2	4



LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD RALEIGH, NC US 27603

Contact: Timothy Bailey timothy.bailey@liebherr.com

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Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot:LIEBHERRNCUnique No:10885385Signed:Sean FeltonReport Date:20 Feb 2024

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GRAPHS

