

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336345)] LIEBHERR L586 060438-1334 - Rear Differential

Sample No: LH0288234

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0288234	LH0278555	LH0242716	LH
Sample Date	26 Apr 2024	01 Nov 2023	14 Jan 2023	24 Sep 2022
Machine Hours	7991	6957	5019	6018
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 1 Terracon Place
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Oil Condition

Visc @ 40°C	cSt	182	179	186	179
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Contamination

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



Wear Metals

Iron	ppm	38	25	33	52
Copper	ppm	12	21	23	47
Lead	ppm	0	<1	<1	1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	<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	<1	<1	3	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	14	43	8	9
Magnesium	ppm	1	2	<1	1
Zinc	ppm	18	37	30	20
Phosphorus	ppm	2309	2323	2486	2403
Barium	ppm	0	<1	0	0
Boron	ppm	1	2	<1	2

Depot: BIRWIN
 Unique No: 5773521
 Signed: Wes Davis
 Report Date: 30 Apr 2024



Graphs

