

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 1334-49308 - Front Differential

Sample No: LH0172265

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0172265	LH0172252	LH0172239	---
Sample Date	15 Feb 2024	19 Jun 2023	12 Aug 2022	---
Machine Hours	6112	5000	4006	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STARK PAVING
 12845 BURLEIGH ROAD
 BROOKFIELD, WI
 US 53005
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 T: (414)507-5987
 F:



Oil Condition

Visc @ 40°C	cSt	189	170	192	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	3	8	---
Sodium	ppm	3	0	6	---
Potassium	ppm	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	96	80	116	---
Copper	ppm	21	35	73	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	1	2	---
Aluminum	ppm	0	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	1	<1	---
Nickel	ppm	0	<1	1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	5	11	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	2	38	24	---
Magnesium	ppm	0	10	2	---
Zinc	ppm	7	63	114	---
Phosphorus	ppm	2516	2002	2380	---
Barium	ppm	0	0	0	---
Boron	ppm	2	5	3	---

Depot: STABROWI
Unique No: 11129888
Signed: Wes Davis
Report Date: 20 Jul 2024



Graphs

