

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 1334-49308 - Rear Differential

Sample No: LH0172266

Oil Type: DIESEL ENGINE OIL SAE 5W30



SAMPLE INFORMATION

Sample Number	LH0172266	LH0172253	LH0172240	LH0172214
Sample Date	05 Oct 2023	19 Jun 2023	12 Aug 2022	07 Jun 2021
Machine Hours	5753	5000	4006	2038
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

STARK PAVING
 12845 BURLEIGH ROAD
 BROOKFIELD, WI
 US 53005
 Contact: DANIEL MIGAAZ
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 F:



OIL CONDITION

Visc @ 40°C	cSt	71.1	181	180	198
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CONTAMINATION

Silicon	ppm	9	2	5	19
Sodium	ppm	2	30	4	10
Potassium	ppm	3	8	<1	<1



WEAR METALS

Iron	ppm	18	2	56	310
Copper	ppm	7	1	47	204
Lead	ppm	4	1	<1	<1
Tin	ppm	<1	2	2	9
Aluminum	ppm	2	0	0	3
Chromium	ppm	1	2	<1	3
Molybdenum	ppm	0	1	<1	<1
Nickel	ppm	<1	2	<1	4
Titanium	ppm	0	2	0	0
Silver	ppm	0	1	0	1
Manganese	ppm	<1	2	7	47
Vanadium	ppm	0	2	0	<1



ADDITIVES

Calcium	ppm	1467	6	6	13
Magnesium	ppm	728	1	2	3
Zinc	ppm	941	0	92	130
Phosphorus	ppm	694	0	2028	2367
Barium	ppm	0	0	0	0
Boron	ppm	31	0	2	28

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: STABROWI
Unique No: 10723519
Signed: Don Baldrige
Report Date: 02 Nov 2023



GRAPHS

