

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 1559-59801 - Transmission (Auto)

Sample No: LH0209847

Oil Type: ATF



SAMPLE INFORMATION

Sample Number	LH0209847	LH05774542	LH0209834	LH0209821
Sample Date	28 Feb 2024	21 Feb 2023	01 Mar 2022	27 Oct 2021
Machine Hours	3009	0	966	495
Oil Hours	0	2003	0	0
Oil Changed	Not Changd	Not Changd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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 US 53532
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OIL CONDITION

Visc @ 40°C	cSt	24.9	25.1	29.4	28.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	8	6	6
Sodium	ppm	3	3	1	6
Potassium	ppm	1	5	5	7

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	82	146	71	83
Copper	ppm	0	0	<1	1
Lead	ppm	2	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	0	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	93	149	156	232
Magnesium	ppm	1	3	2	2
Zinc	ppm	2	28	21	42
Phosphorus	ppm	209	215	241	202
Barium	ppm	0	0	0	7
Boron	ppm	99	72	90	67

Depot: DIEDEF
 Unique No: 10913231
 Signed: Wes Davis
 Report Date: 06 Mar 2024



GRAPHS

