

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 73916 - Splitter Box

Sample No: LH0270166

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0270166	LH0277537	LH0277821	LH0270427
Sample Date	21 Mar 2024	21 Jan 2024	27 Nov 2023	17 Sep 2023
Machine Hours	2258	1515	1059	583
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LIEBHERR CANADA LTD.

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OIL CONDITION

Visc @ 40°C	cSt	96.9	98.3	101	186



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	1	3
Sodium	ppm	<1	<1	1	6
Potassium	ppm	<1	1	<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	14	11	30	84
Copper	ppm	<1	<1	1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	1
Chromium	ppm	0	0	<1	1
Molybdenum	ppm	0	0	0	1
Nickel	ppm	0	<1	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	46	19	31	58
Magnesium	ppm	1	2	2	13
Zinc	ppm	37	21	36	139
Phosphorus	ppm	1221	1282	1303	2362
Barium	ppm	0	0	2	14
Boron	ppm	307	311	262	5

Depot: LIEMIS
Unique No: 5749124
Signed: Wes Davis
Report Date: 22 Mar 2024



GRAPHS

