

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Transmission (Ma

Sample No: LH

Oil Type: TDTO FLUID SAE 10W



Sample Information

Sample Number	LH	LH	LH	LH0250098
Sample Date	17 Jun 2024	15 Feb 2024	12 Sep 2023	27 Mar 2023
Machine Hours	5960	5100	4000	1000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	57.1	63.0	65.7	56.8
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	3	4
Sodium	ppm	10	10	16	28
Potassium	ppm	8	1	1	2

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. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the fluid is acceptable for the time in service.



Wear Metals

Iron	ppm	10	16	13	21
Copper	ppm	10	14	21	25
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	2	2	3
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	44	28	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	6	7	16
Vanadium	ppm	0	0	0	<1



Additives

Calcium	ppm	1412	1894	2519	3051
Magnesium	ppm	725	451	7	8
Zinc	ppm	1129	1164	1115	1151
Phosphorus	ppm	1056	1080	1086	1151
Barium	ppm	<1	<1	<1	<1
Boron	ppm	48	37	67	43

Depot: IND550WIN
Unique No: 5800537
Signed: Kevin Marson
Report Date: 20 Jun 2024



Graphs

