

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[20230600]] LIEBHERR LH30M 135986 - Transmission (Man)

Sample No: LH0278482

Oil Type: TDTO FLUID SAE 20



#### SAMPLE INFORMATION

Sample Number	LH0278482	LH0265904	LH0242771	LH0234409
Sample Date	22 Dec 2023	23 Mar 2023	22 Dec 2022	05 Jul 2022
Machine Hours	3966	0	1972	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	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	58.9	59.5	58.4	45.1
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	2	4
Sodium	ppm	11	18	27	52
Potassium	ppm	0	2	2	5

#### 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	14	16	13	19
Copper	ppm	19	24	26	27
Lead	ppm	<1	<1	<1	2
Tin	ppm	<1	1	<1	1
Aluminum	ppm	3	3	3	4
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	43	27	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	6	13	6	18
Vanadium	ppm	0	0	0	<1



#### ADDITIVES

Calcium	ppm	1649	2008	2870	3450
Magnesium	ppm	668	418	8	10
Zinc	ppm	1176	1177	1136	1164
Phosphorus	ppm	1107	1139	1121	1089
Barium	ppm	0	<1	<1	1
Boron	ppm	17	29	50	6

Depot: IND550WIN  
Unique No: 5707676  
Signed: Kevin Marson  
Report Date: 04 Jan 2024



### GRAPHS

