

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 094197-1216 - Transmission (Manual)

Sample No: LH0270007

Oil Type: PETRO CANADA 10W30



#### SAMPLE INFORMATION

Sample Number	LH0270007	LH	LH0225150	LH0225542
Sample Date	01 Nov 2023	13 Mar 2023	06 Oct 2022	09 Jun 2022
Machine Hours	23554	22266	21039	19989
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

#### INDUSTRIES GDS INC.

207 ROUTE 295  
VILLE-DEGELIS, QC  
CA G5T 1R1  
Contact: Martin Deschenes  
mdeschenes@groupgds.com  
T: (418)853-2566  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	51.8	52.0	49.5	50.4
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#### CONTAMINATION

Silicon	ppm	4	5	6	4
Sodium	ppm	2	2	2	2
Potassium	ppm	0	0	0	1



#### WEAR METALS

Iron	ppm	28	53	49	46
Copper	ppm	7	13	13	10
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	51	46	48	49
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	2	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	857	885	923	880
Magnesium	ppm	855	754	790	863
Zinc	ppm	1152	1068	1127	1157
Phosphorus	ppm	1062	1119	1058	1076
Barium	ppm	<1	0	0	0
Boron	ppm	13	10	12	14

#### 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.

Depot: INDVIL  
Unique No: 5681358  
Signed: Kevin Marson  
Report Date: 15 Nov 2023



### GRAPHS

