

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0284138

Oil Type: PETRO CANADA 10W30



#### SAMPLE INFORMATION

Sample Number	LH0284138	LH0270007	LH	LH0225150
Sample Date	18 Mar 2024	01 Nov 2023	13 Mar 2023	06 Oct 2022
Machine Hours	25297	23554	22266	21039
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  
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F:



#### OIL CONDITION

Visc @ 40°C	cSt	54.6	51.8	52.0	49.5
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	5	6
Sodium	ppm	1	2	2	2
Potassium	ppm	0	0	0	0



#### WEAR METALS

Iron	ppm	21	28	53	49
Copper	ppm	5	7	13	13
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	2	2	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	53	51	46	48
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	991	857	885	923
Magnesium	ppm	896	855	754	790
Zinc	ppm	1178	1152	1068	1127
Phosphorus	ppm	1050	1062	1119	1058
Barium	ppm	0	<1	0	0
Boron	ppm	5	13	10	12

#### 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: 5748888  
Signed: Kevin Marson  
Report Date: 21 Mar 2024



### GRAPHS

