

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336343)] LIEBHERR LH50M 124905-1216 - Transmission (Mc

Sample No: LH0290545

Oil Type: PETRO CANADA SUPREME 5W30



Sample Information

Sample Number	LH0290545	LH0182507	LH0182493	LH
Sample Date	27 Jun 2024	01 Jun 2021	29 Apr 2021	15 Mar 2021
Machine Hours	22074	4702	4100	1835
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

CANFOR
101-161 E 4TH AVE
VANCOUVER, BC
CA V5T 3C1
Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	40.4	48.1	47.7	48.5
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	7	4	3
Sodium	ppm	2	4	5	15
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 fluid. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.



Wear Metals

Iron	ppm	34	38	30	23
Copper	ppm	5	16	14	23
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	1	2	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	53	1	1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	5	5	15
Vanadium	ppm	0	0	0	<1



Additives

Calcium	ppm	1178	2165	2110	2458
Magnesium	ppm	860	33	28	10
Zinc	ppm	1164	1086	1090	1132
Phosphorus	ppm	1015	1020	940	996
Barium	ppm	<1	<1	<1	<1
Boron	ppm	3	3	2	2

Depot: CAN101VAN
Unique No: 5803080
Signed: Kevin Marson
Report Date: 05 Jul 2024



Graphs

