

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(369353)] LIEBHERR LH30M 136880-1253 - Transmission

Sample No: LH0287999

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0287999	LH0284118	LH0260559	LH0226446
Sample Date	22 Mar 2024	15 Mar 2024	12 Sep 2023	13 Feb 2023
Machine Hours	5000	5489	4272	2833
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

#### West Coast Metal Recycling

5771 Production Way

Langley, BC

CA V3A 4N5

Contact: Terry .

terry@gotmetal.ca

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#### OIL CONDITION

Visc @ 40°C	cSt	76.0	59.4	54.7	48.7



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	26	1	2	3
Sodium	ppm	5	10	20	35
Potassium	ppm	<1	<1	4	4



#### WEAR METALS

Iron	ppm	6	9	14	18
Copper	ppm	10	23	43	60
Lead	ppm	0	0	1	2
Tin	ppm	0	0	2	3
Aluminum	ppm	3	5	10	12
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	50	47	26	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	7	13
Vanadium	ppm	0	0	0	<1



#### ADDITIVES

Calcium	ppm	1270	1655	2373	3549
Magnesium	ppm	839	778	435	8
Zinc	ppm	1130	1199	1192	1163
Phosphorus	ppm	969	1081	1133	1169
Barium	ppm	<1	<1	2	3
Boron	ppm	2	<1	3	5

#### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. The fluid was specified as PETRO CANADA 10W40, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the fluid type and grade on your next sample. All component wear rates are normal. There is a moderate concentration of dirt present in the fluid. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The fluid is no longer serviceable due to the presence of contaminants.

Depot: WES577LAN

Unique No: 5750125

Signed: Kevin Marson

Report Date: 27 Mar 2024



### GRAPHS

