

LIEBHERR

CONSTRUCTION EQUIPMENT



[GREEN METALS] LIEBHERR A924C 073594 - Transmission

Sample No: LH0274819

Oil Type: PETRO CANADA 15W40



SAMPLE INFORMATION

Sample Number	LH0274819	LH	LH	LH0169973
Sample Date	12 Oct 2023	19 Jan 2022	12 Mar 2021	15 Jun 2020
Machine Hours	22130	19940	19006	17996
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GREEN METALS CANADA

224 BEARDS LANE
WOODSTOCK, ON
CA N4S 7W3

Contact: Jamie Depotie
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OIL CONDITION

Visc @ 40°C	cSt	71.8	79.3	80.2	80.8
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CONTAMINATION

Silicon	ppm	3	3	4	5
Sodium	ppm	2	2	2	1
Potassium	ppm	0	<1	<1	2



WEAR METALS

Iron	ppm	2	2	2	3
Copper	ppm	1	1	1	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	58	50	43	31
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	3	14	23	46
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	1123	1145	1236	1430
Magnesium	ppm	950	912	830	729
Zinc	ppm	1192	1202	1239	1252
Phosphorus	ppm	1016	1082	1022	1104
Barium	ppm	<1	0	0	<1
Boron	ppm	16	25	37	79

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 30 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: GRE224WOO
Unique No: 5658119
Signed: Kevin Marson
Report Date: 16 Oct 2023



GRAPHS

