



# CONSTRUCTION EQUIPMENT

397276 16-8019 - TRANSMISSION (AUTO)



**Sample No:** VCP448079  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 397276



## SAMPLE INFORMATION

Sample Number	VCP448079	VCP381535	VCP394821	VCP392356
Sample Date	05 Apr 2024	29 Oct 2023	30 Jul 2023	25 Apr 2023
Machine Hours	11500	11000	10509	9966
Oil Hours	3500	3000	2500	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

### CRH CANADA GROUP INC.

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## OIL CONDITION

Visc @ 40°C	cSt	27.4	27.5	27.8	27.6



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	4	3
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	<1	<1



## WEAR METALS

PQ		0	0	14	---
Iron	ppm	205	181	156	124
Copper	ppm	5	4	4	3
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	1
Chromium	ppm	1	1	1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	4	3	3	2
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	71	72	71	74
Magnesium	ppm	1	<1	1	<1
Zinc	ppm	17	16	17	11
Phosphorus	ppm	191	195	206	213
Barium	ppm	0	<1	<1	0
Boron	ppm	80	77	77	82

## Diagnosis

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. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** HOLCON  
**Unique No:** 5761058  
**Signed:** Kevin Marson  
**Report Date:** 10 Apr 2024



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## VOLVO GRAPHS

