



# CONSTRUCTION EQUIPMENT

374218 16-8002 - TRANSMISSION (AUTO)



**Sample No:** VCP392217  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 374218



## SAMPLE INFORMATION

Sample Number	<b>VCP392217</b>	VCP394896	VCP352511	VCE223103
Sample Date	<b>04 Aug 2023</b>	21 May 2023	25 Sep 2022	24 Nov 2021
Machine Hours	<b>17470</b>	16959	16000	15017
Oil Hours	<b>1500</b>	1000	4000	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	SEVERE

**CRH CANADA GROUP INC.**  
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T:  
F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>28.8</b>	28.5	29.1	25.9
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## CONTAMINATION

Silicon	ppm	<b>11</b>	10	7	11
Sodium	ppm	<b>12</b>	10	5	6
Potassium	ppm	<b>14</b>	12	1	13



## WEAR METALS

PQ		---	---	---	26
Iron	ppm	<b>91</b>	60	55	386
Copper	ppm	<b>6</b>	5	3	26
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>&lt;1</b>	<1	0	2
Aluminum	ppm	<b>1</b>	1	<1	32
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	2	2	4
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>71</b>	74	70	84
Magnesium	ppm	<b>2</b>	1	<1	2
Zinc	ppm	<b>41</b>	38	8	15
Phosphorus	ppm	<b>198</b>	208	200	161
Barium	ppm	<b>2</b>	2	<1	0
Boron	ppm	<b>54</b>	57	75	53

## 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. The condition of the fluid is acceptable for the time in service.

**Depot:** HOLCON  
**Unique No:** 5629940  
**Signed:** Wes Davis  
**Report Date:** 18 Aug 2023

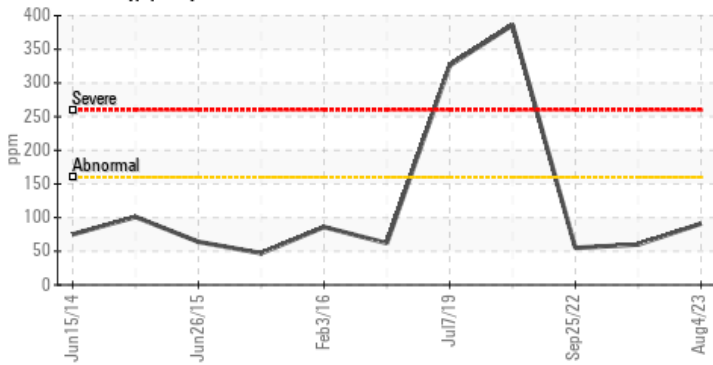


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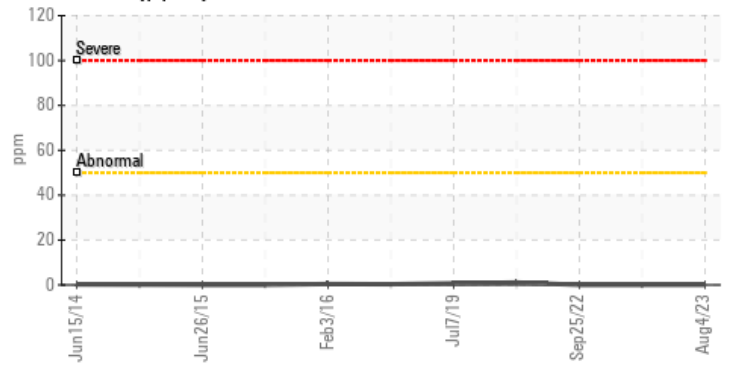


## GRAPHS

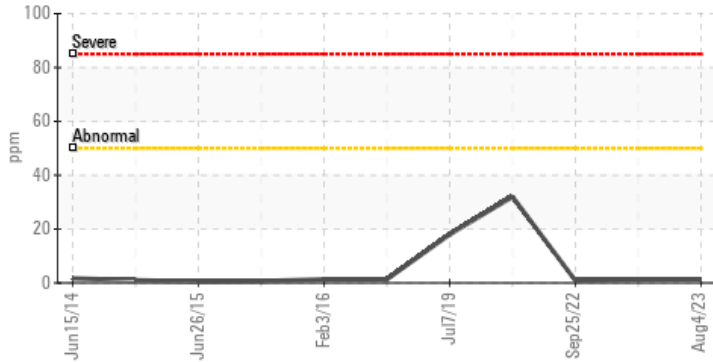
### Iron (ppm)



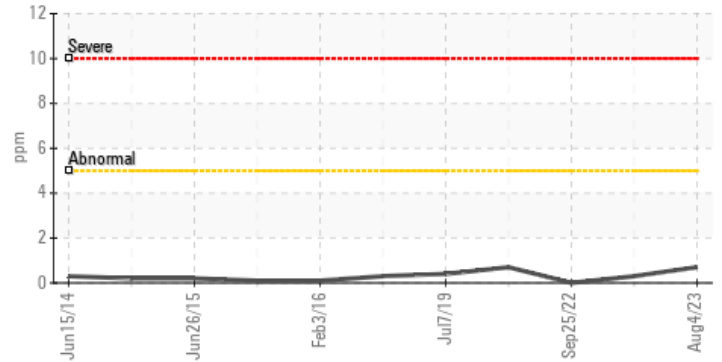
### Lead (ppm)



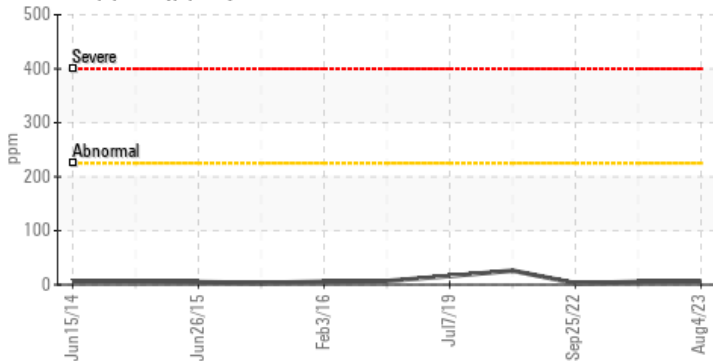
### Aluminum (ppm)



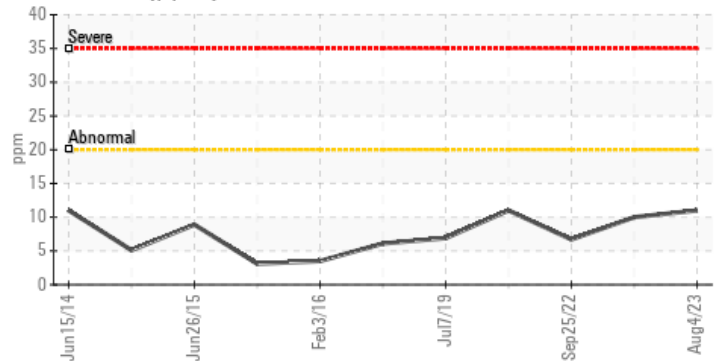
### Chromium (ppm)



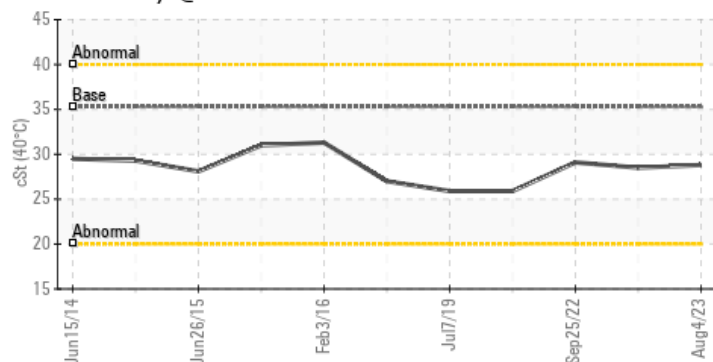
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

