



# CONSTRUCTION EQUIPMENT

376822 17-7049 - FRONT AXLE



**Sample No:** VCP429989  
**Oil Type:** PETRO CANADA TRAXON 80W90  
**Job No:** 376822



## SAMPLE INFORMATION

Sample Number	<b>VCP429989</b>	VCP251402	VCP221535	VCF423922
Sample Date	<b>14 Sep 2023</b>	02 Sep 2020	28 Aug 2018	06 Jul 2011
Machine Hours	<b>18113</b>	14265	11800	4108
Oil Hours	<b>0</b>	0	0	2181
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### CRH CANADA GROUP INC.

P.O. BOX 5400  
 CONCORD, ON  
 CA L4K 1B6  
 Contact: Dan Brown  
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 T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>67.8</b>	136	135	135
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## CONTAMINATION

Silicon	ppm	<b>20</b>	66	77	15
Sodium	ppm	<b>4</b>	2	2	0
Potassium	ppm	<b>2</b>	6	6	2



## WEAR METALS

Iron	ppm	<b>214</b>	345	287	106
Copper	ppm	<b>15</b>	19	19	7
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>4</b>	16	18	2
Chromium	ppm	<b>2</b>	3	2	2
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>2</b>	3	2	<1
Titanium	ppm	<b>&lt;1</b>	1	1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	3	3	2
Vanadium	ppm	<b>0</b>	<1	<1	0



## ADDITIVES

Calcium	ppm	<b>48</b>	206	104	11
Magnesium	ppm	<b>6</b>	17	38	2
Zinc	ppm	<b>15</b>	26	6	11
Phosphorus	ppm	<b>1961</b>	929	963	995
Barium	ppm	<b>&lt;1</b>	<1	<1	0
Boron	ppm	<b>190</b>	130	184	275

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** HOLCON  
**Unique No:** 5644325  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023



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## VOLVO GRAPHS

