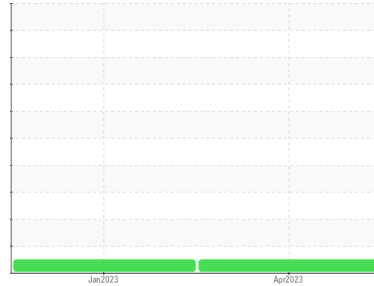


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**EBI DE COSTA RICA**  
Machine Id  
**VOLVO A30F A30F05**  
Component  
**3 Axle**  
Fluid  
**PETRO CANADA TRAXON 80W90 (--- LTR)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80W140 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0073900</b>	PC0068840	---
Sample Date	Client Info		<b>12 Apr 2023</b>	04 Jan 2023	---
Machine Age	hrs	Client Info	<b>13054</b>	12561	---
Oil Age	hrs	Client Info	<b>500</b>	500	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >900	<b>82</b>	156	---
Chromium	ppm	ASTM D5185(m) >20	<b>1</b>	2	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >30	<b>5</b>	12	---
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m) >150	<b>3</b>	8	---
Tin	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>229</b>	222	---
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	4	---
Magnesium	ppm	ASTM D5185(m) 2	<b>14</b>	2	---
Calcium	ppm	ASTM D5185(m) 6	<b>32</b>	56	---
Phosphorus	ppm	ASTM D5185(m) 987	<b>1018</b>	1098	---
Zinc	ppm	ASTM D5185(m) 1	<b>26</b>	27	---
Sulfur	ppm	ASTM D5185(m) 21530	<b>18342</b>	24885	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

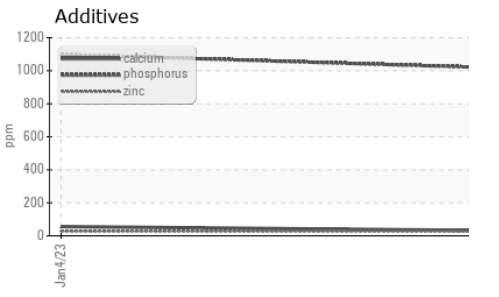
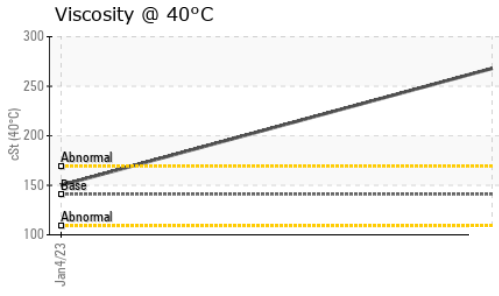
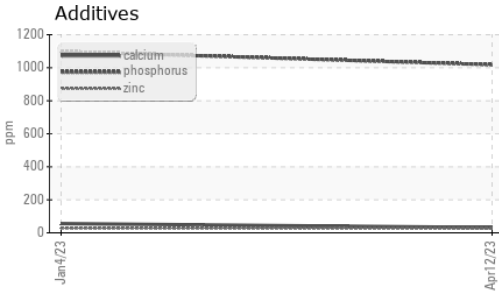
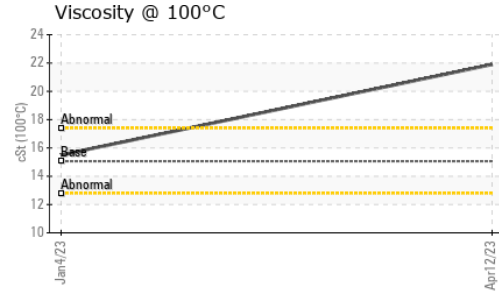
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>26</b>	43	---
Sodium	ppm	ASTM D5185(m)	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	4	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 1.9	<b>1.36</b>	1.45	---

# OIL ANALYSIS REPORT



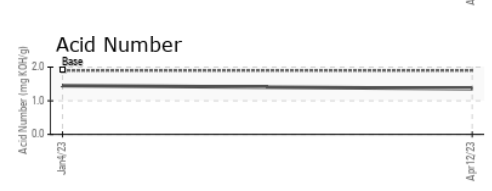
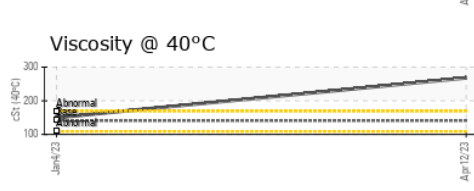
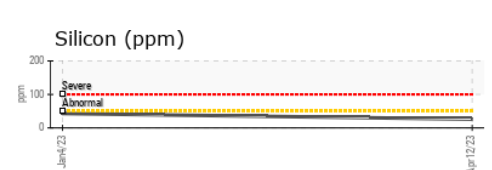
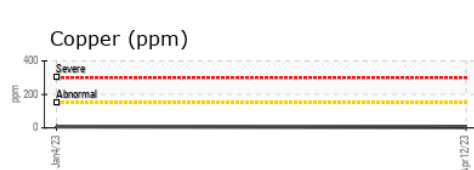
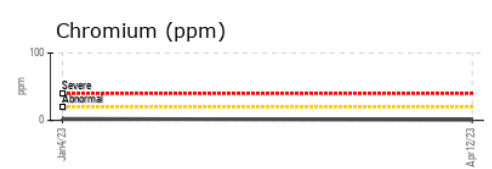
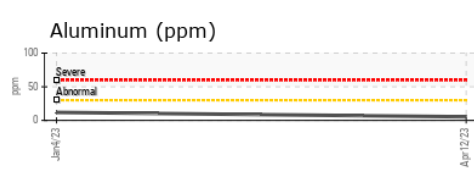
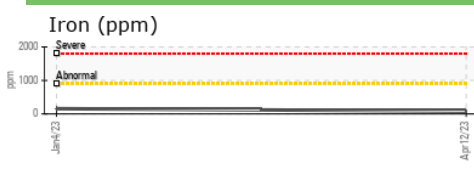
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	268	150
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	21.9	15.5
Viscosity Index (VI)	Scale	ASTM D2270*	108	98	105

PARAMETER	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**  
**Sample No.** : PC0073900 **Received** : 13 Jul 2023 Contiguo FANAL, frente a la Autopista Bernardo Soto  
**Lab Number** : 02569795 **Diagnosed** : 13 Jul 2023 Grecia, A  
**Unique Number** : 5606841 **Diagnostician** : Wes Davis CR  
**Test Package** : MOB 2 ( Additional Tests: KV100, TAN Man, VI ) Contact: Rodolfo Santamaria

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.