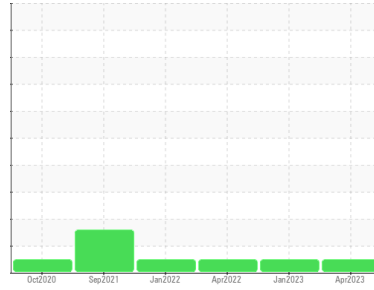


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**EBI DE COSTA RICA**  
Machine Id  
**VOLVO A30F A30F05**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA ATF D3M (40 LTR)**

## DIAGNOSIS

### Recommendation

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 fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0073825</b>	PC0068836	PC0055919
Sample Date	Client Info		<b>12 Apr 2023</b>	04 Jan 2023	13 Apr 2022
Machine Age	hrs	Client Info	<b>13054</b>	12561	11594
Oil Age	hrs	Client Info	<b>500</b>	500	500
Oil Changed	Client Info		<b>N/A</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >160	<b>7</b>	3	13
Chromium	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >50	<b>5</b>	2	5
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >225	<b>4</b>	2	6
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 98	<b>94</b>	99	68
Barium	ppm	ASTM D5185(m) <0.00	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m) <1	<b>2</b>	2	2
Calcium	ppm	ASTM D5185(m) 70	<b>82</b>	90	78
Phosphorus	ppm	ASTM D5185(m) 220	<b>248</b>	248	241
Zinc	ppm	ASTM D5185(m)	<b>7</b>	7	28
Sulfur	ppm	ASTM D5185(m) 710	<b>998</b>	826	789
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

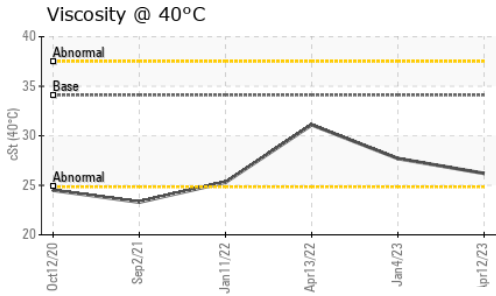
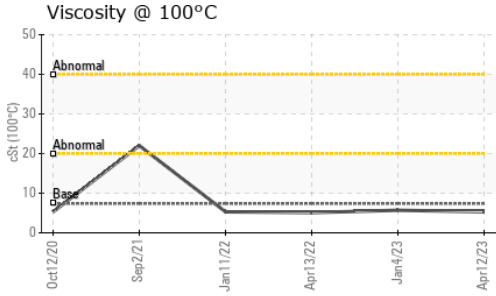
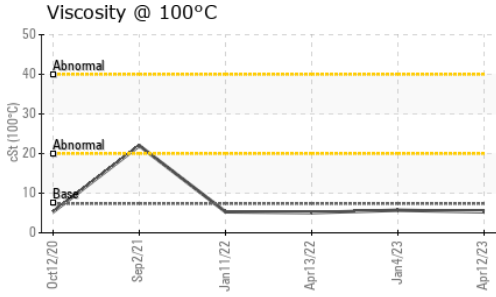
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>3</b>	3	3
Sodium	ppm	ASTM D5185(m)	<b>2</b>	2	4
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	1	1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.81	<b>0.82</b>	0.68	0.66

# OIL ANALYSIS REPORT



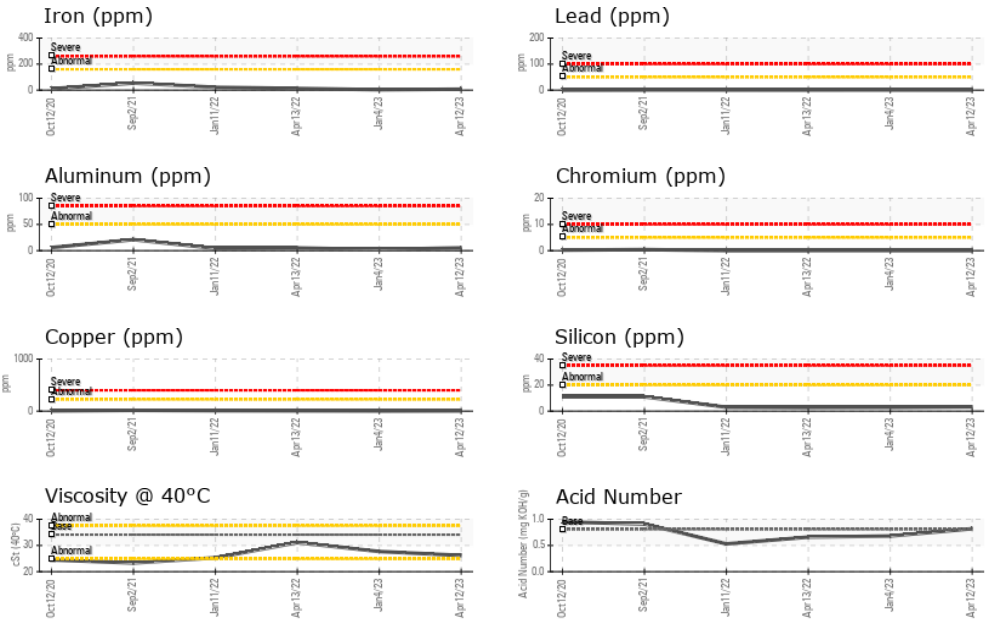
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.11	26.2	27.7
Visc @ 100°C	cSt	ASTM D7279(m)	7.37	5.3	5.1
Viscosity Index (VI)	Scale	ASTM D2270*	190	139	152

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**  
**Sample No.** : PC0073825 **Received** : 13 Jul 2023  
**Lab Number** : 02569773 **Diagnosed** : 13 Jul 2023  
**Unique Number** : 5606819 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV100, TAN Man, VI )

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.

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 CR  
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