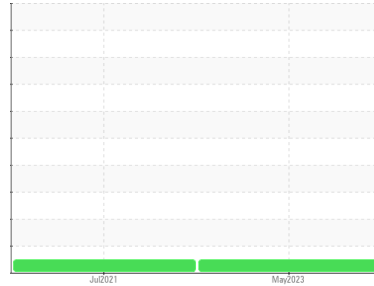


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
EBI DE COSTA RICA
Machine Id
VOLVO A40E A40E-01
Component
Drop Box
Fluid
PETRO CANADA TRAXON 80W90 (9 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 oil.

Fluid Condition

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		PC0069037	PC0049885	---
Sample Date	Client Info		19 May 2023	14 Jul 2021	---
Machine Age	hrs	Client Info	20016	170	---
Oil Age	hrs	Client Info	500	500	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m) >500	23	20	---
Chromium	ppm	ASTM D5185(m) >20	0	<1	---
Nickel	ppm	ASTM D5185(m) >10	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	2	---
Aluminum	ppm	ASTM D5185(m) >30	2	3	---
Lead	ppm	ASTM D5185(m) >30	0	0	---
Copper	ppm	ASTM D5185(m) >30	<1	<1	---
Tin	ppm	ASTM D5185(m) >20	0	0	---
Antimony	ppm	ASTM D5185(m) >5	0	<1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	232	257	---
Barium	ppm	ASTM D5185(m) 1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	---
Manganese	ppm	ASTM D5185(m)	<1	<1	---
Magnesium	ppm	ASTM D5185(m) 2	12	<1	---
Calcium	ppm	ASTM D5185(m) 6	14	2	---
Phosphorus	ppm	ASTM D5185(m) 987	1031	1047	---
Zinc	ppm	ASTM D5185(m) 1	18	5	---
Sulfur	ppm	ASTM D5185(m) 21530	17679	21559	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

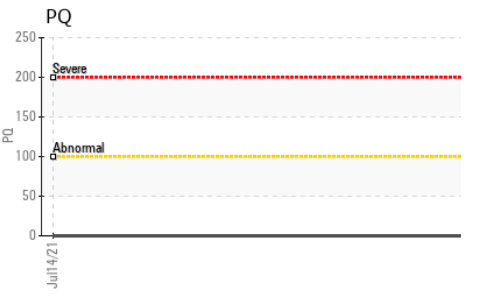
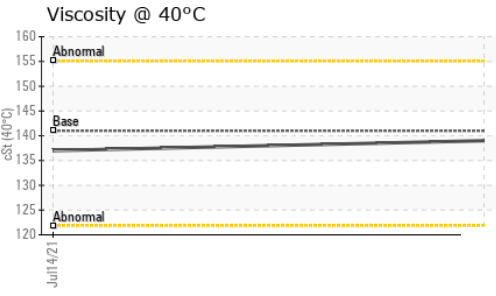
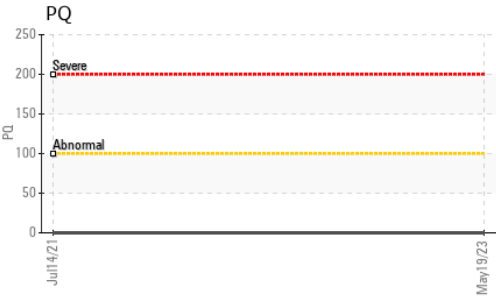
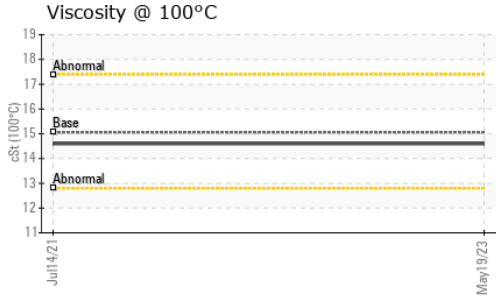
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	3	6	---
Sodium	ppm	ASTM D5185(m)	<1	0	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 1.9	1.32	1.30	---

OIL ANALYSIS REPORT



VISUAL	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	VLITE
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	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	137	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	14.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	108	106	---

SAMPLE IMAGES

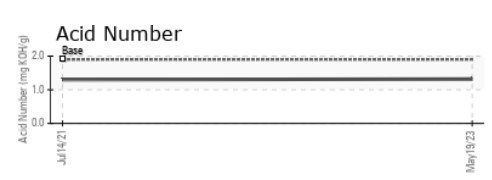
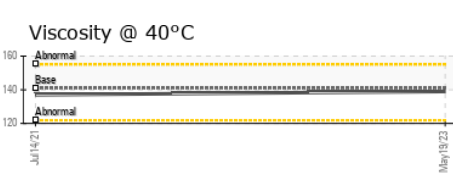
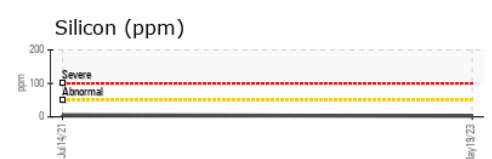
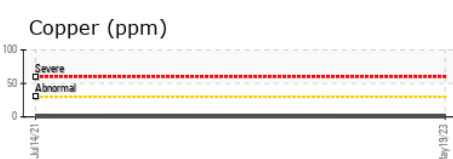
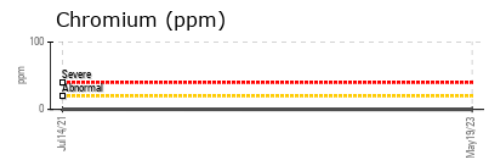
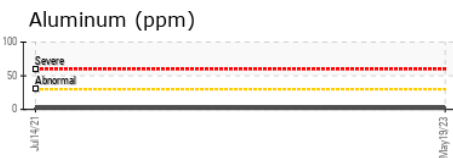
Color

Bottom

no image

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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**
Sample No. : PC0069037 **Received** : 06 Jun 2023 Contiguo FANAL, frente a la Autopista Bernardo Soto
Lab Number : 02562322 **Diagnosed** : 07 Jun 2023 Grecia, A
Unique Number : 5591363 **Diagnostician** : Wes Davis CR
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Contact: Erick Bogantes
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. cotizaciones@lubricantescanada.com
 Validity of results and interpretation are based on the sample and information as supplied. T: 1(115)062-1598
 F: 1(115)062-2870