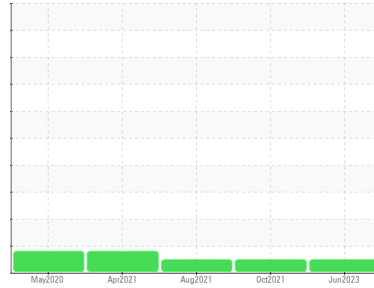


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
EBI DE COSTA RICA
Machine Id
VOLVO A30F A30F04
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		PC0073822	PC0049377	PC0041635
Sample Date	Client Info		05 Jun 2023	20 Oct 2021	16 Aug 2021
Machine Age	hrs	Client Info	15000	12241	11893
Oil Age	hrs	Client Info	500	500	398
Oil Changed	Client Info		Changed	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>85	16	49	37
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	2	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>45	9	21	23
Lead	ppm	ASTM D5185(m)	>25	3	13	8
Copper	ppm	ASTM D5185(m)	>625	5	16	12
Tin	ppm	ASTM D5185(m)	>30	<1	4	4
Antimony	ppm	ASTM D5185(m)	>4	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	98	87	46	57
Barium	ppm	ASTM D5185(m)	<0.00	0	0	0
Molybdenum	ppm	ASTM D5185(m)		<1	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	2	2
Magnesium	ppm	ASTM D5185(m)	<1	2	4	4
Calcium	ppm	ASTM D5185(m)	70	83	87	83
Phosphorus	ppm	ASTM D5185(m)	220	247	237	231
Zinc	ppm	ASTM D5185(m)		13	95	61
Sulfur	ppm	ASTM D5185(m)	710	1205	806	765
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

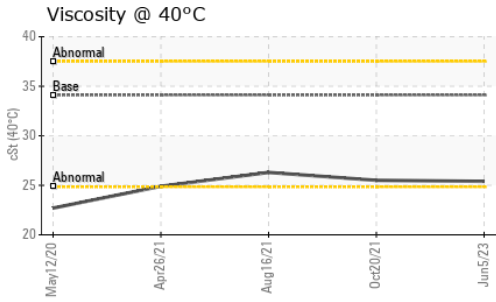
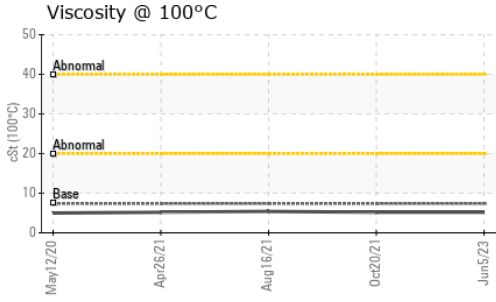
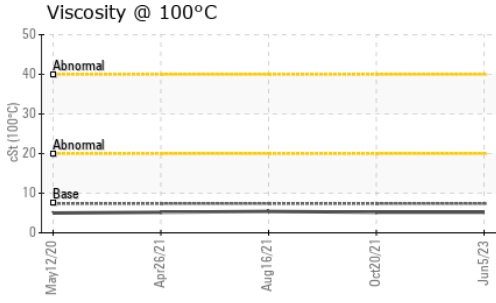
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	4	6	6
Sodium	ppm	ASTM D5185(m)		4	6	4
Potassium	ppm	ASTM D5185(m)	>20	1	2	1

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.81	0.83	0.49	0.56

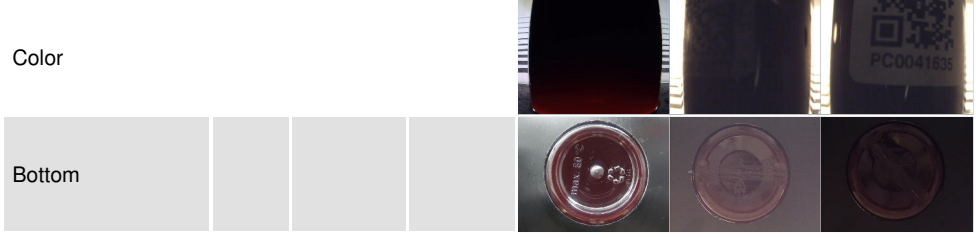
OIL ANALYSIS REPORT



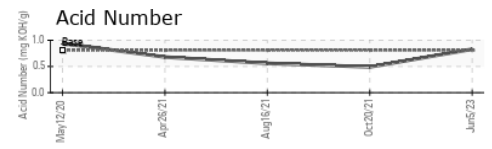
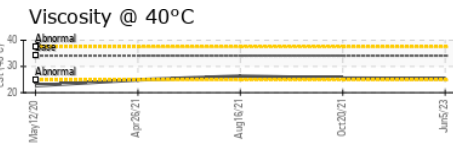
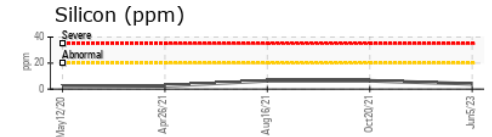
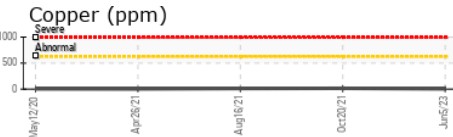
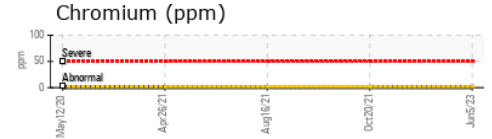
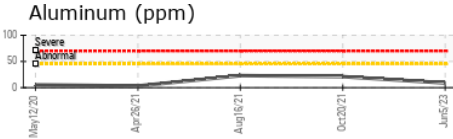
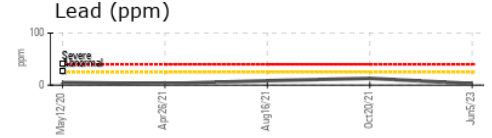
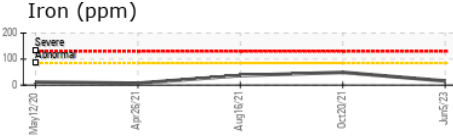
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D2729(m)	34.11	25.4	25.5	26.3
Visc @ 100°C	cSt	ASTM D2729(m)	7.37	5.2	5.2	5.4
Viscosity Index (VI)	Scale	ASTM D2270*	190	140	139	145

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**
Sample No. : PC0073822 **Received** : 13 Jul 2023
Lab Number : 02569772 **Diagnosed** : 13 Jul 2023
Unique Number : 5606818 **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.

Contiguo FANAL, frente a la Autopista Bernardo Soto
Grecia, A
CR
Contact: Erick Bogantes
cotizaciones@lubricantescanada.com
T: 1(115)062-1598
F: 1(115)062-2870