



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**CHINA BUS PARTS**

Machine Id

**3866**

Component

**Differential**

Fluid

**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0073543	---	---
Sample Date		Client Info		23 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		400	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	442	---	---
Chromium	ppm	ASTM D5185(m)	>10	3	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	5	---	---
Lead	ppm	ASTM D5185(m)	>25	2	---	---
Copper	ppm	ASTM D5185(m)	>100	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

## CONTAMINATION

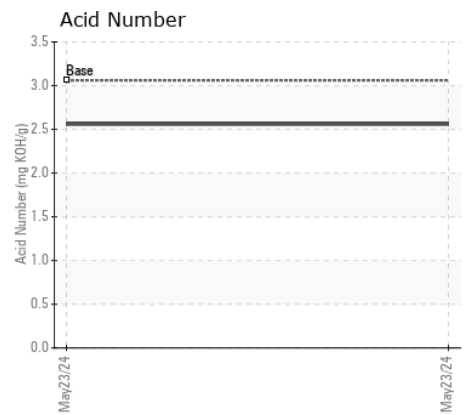
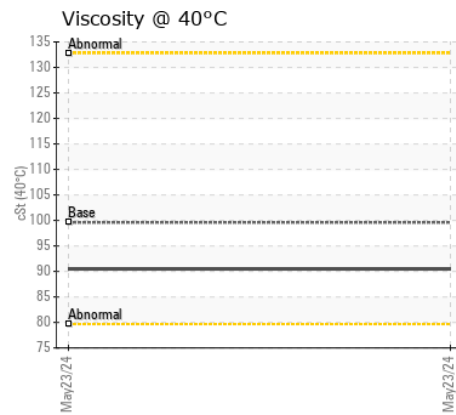
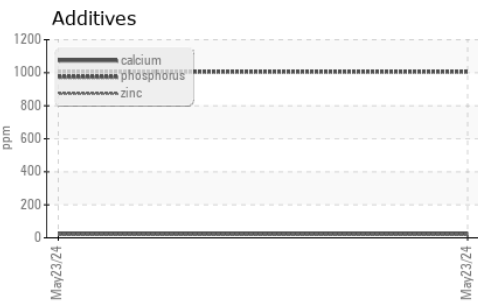
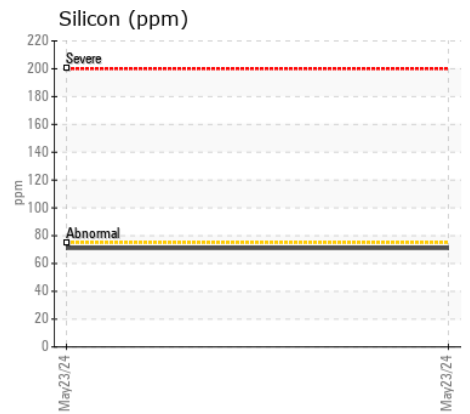
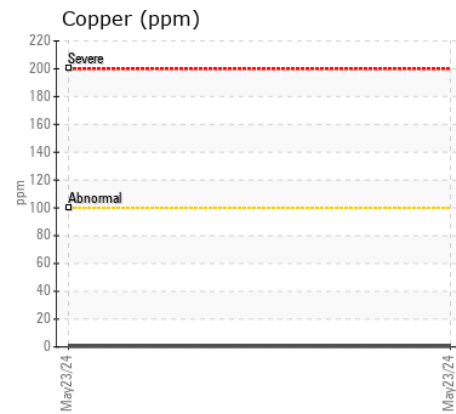
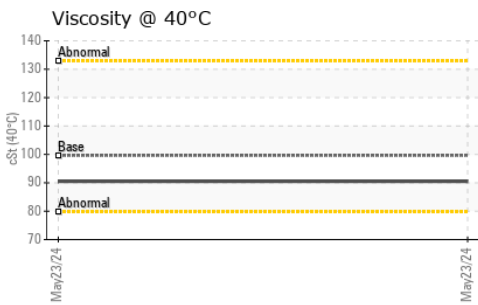
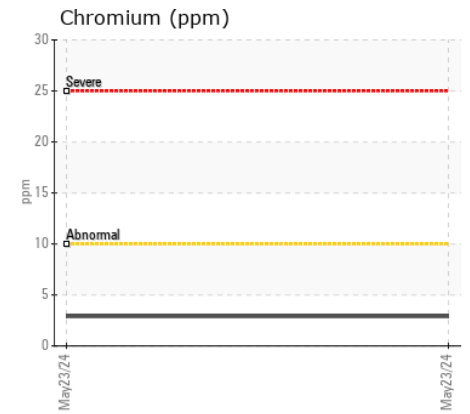
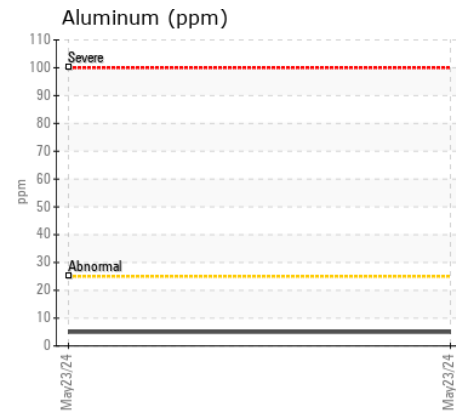
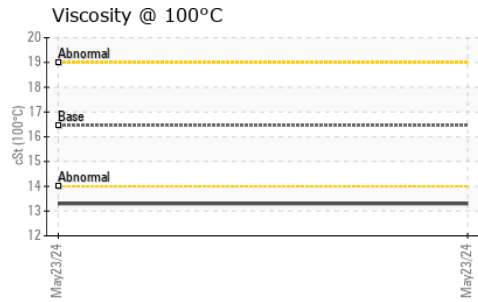
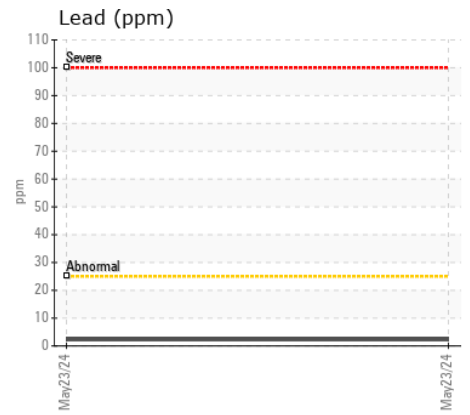
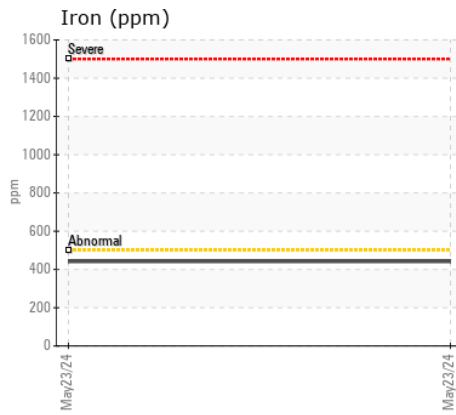
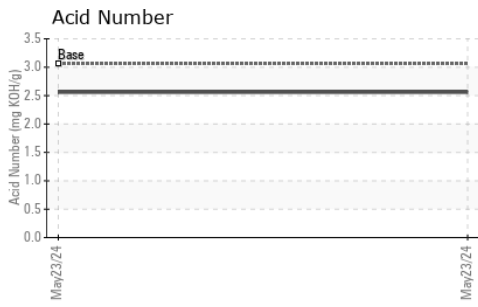
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	71	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	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*	>.2	NEG	---	---

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)	328	68	---	---
Barium	ppm	ASTM D5185(m)	1	<1	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		7	---	---
Magnesium	ppm	ASTM D5185(m)	1	5	---	---
Calcium	ppm	ASTM D5185(m)	7	24	---	---
Phosphorus	ppm	ASTM D5185(m)	1145	1006	---	---
Zinc	ppm	ASTM D5185(m)	3	20	---	---
Sulfur	ppm	ASTM D5185(m)	17909	17752	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	3.06	2.56	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	90.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	16.46	13.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	179	147	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0073543  
**Lab Number** : 02643455  
**Unique Number** : 5800994  
**Test Package** : MOB 2 ( Additional Tests: KV100, TAN Man, VI )

**Received** : 21 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 21 Jun 2024 - Kevin Marson

**INDUSTRIAS del PETROLEO CANAD. SA**  
 Contiguo FANAL, frente a la Autopista Bernardo Soto  
 Grecia, A  
 CR

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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.