

# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**PETRO CANADA GEO 15W40**

Component  
**Top New (Unused) Oil**  
Fluid  
**{not provided} (--- QTS)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0057262</b>	---	---
Sample Date	Client Info		<b>25 Jan 2024</b>	---	---
Machine Age	mls	Client Info	<b>0</b>	---	---
Oil Age	mls	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>60</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>42</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>525</b>	---	---
Calcium	ppm	ASTM D5185m	<b>1488</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>780</b>	---	---
Zinc	ppm	ASTM D5185m	<b>924</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>2433</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>6</b>	---	---
Sodium	ppm	ASTM D5185m	<b>2</b>	---	---
Potassium	ppm	ASTM D5185m	<b>&gt;20</b>	---	---
Water	%	ASTM D6304	<b>NEG</b>	---	---

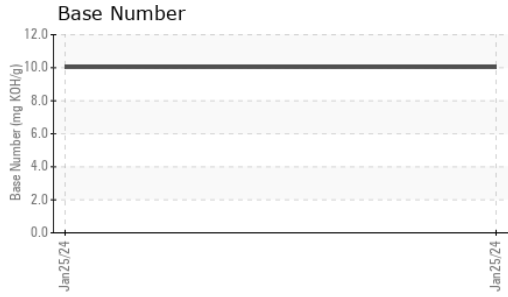
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Base Number (BN)	mg KOH/g	ASTM D2896	<b>10.03</b>	---	---

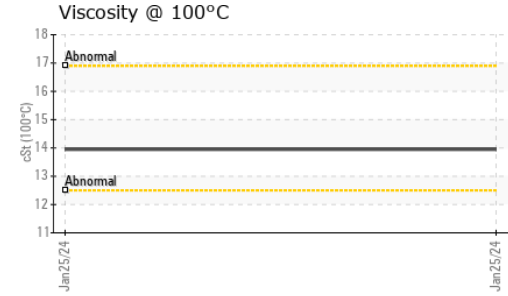
## VISUAL



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

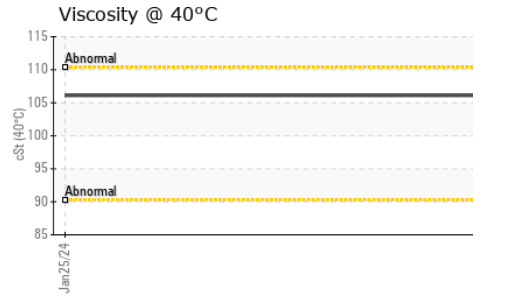
# OIL ANALYSIS REPORT



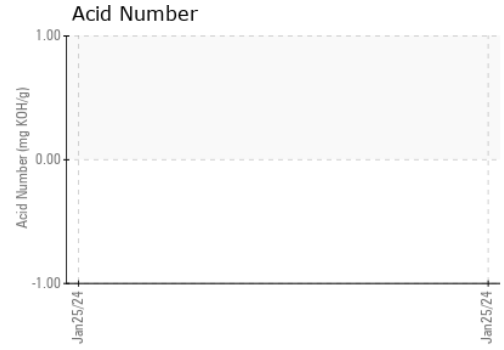
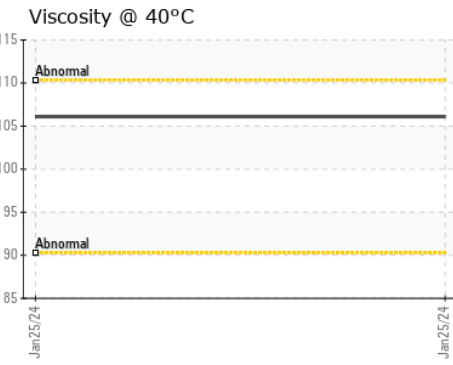
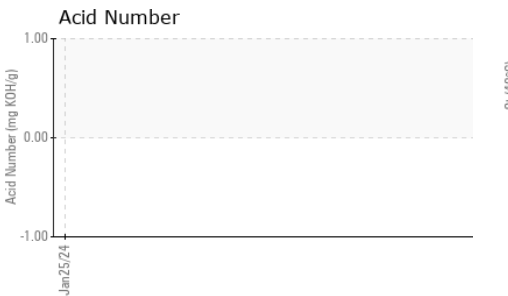
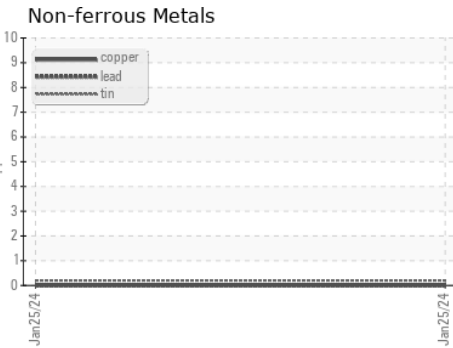
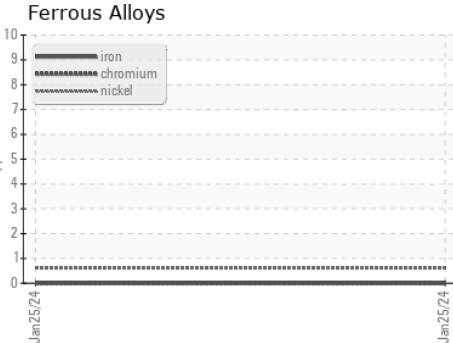
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>106.1</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>13.95</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270		<b>132</b>	---	---



SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0057262

**Lab Number** : **06074258**

**Unique Number** : 10856349

**Test Package** : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, TBN, VI )

**Received** : 30 Jan 2024

**Diagnosed** : 31 Jan 2024

**Diagnostician** : Jonathan Hester

**Contact:** OSCAR NUNEZ

**Address:** VALLEY PACIFIC PETROLEUM SERVICES  
152 FRANK WEST CIRCLE  
STOCKTON, CA  
US 95206

**OSCAR.NUNEZ@VPSS.NET**

*To discuss this sample report, contact Customer Service at 1-800-237-1369.*

*\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*

*Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)*

T:  
F: