

Machine Id  
**PETRO CANADA GEO 15W40**

Component  
**New (Unused) Oil**

Fluid  
**{not provided} (--- QTS)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0057260	---	---
Sample Date		Client Info		11 Jan 2024	---	---
Machine Age	mls	Client Info		0	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

**WEAR**

Iron	ppm	ASTM D5185m		1	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		<1	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		<1	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

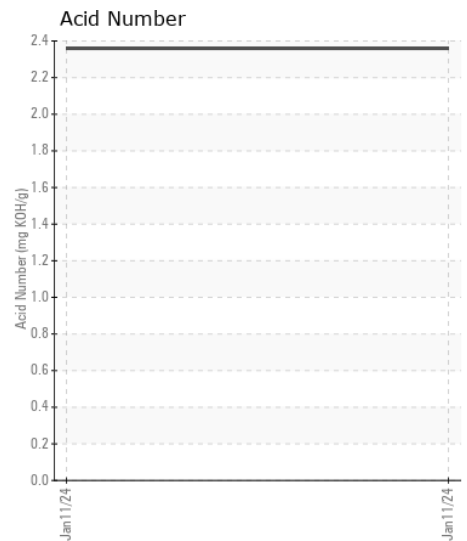
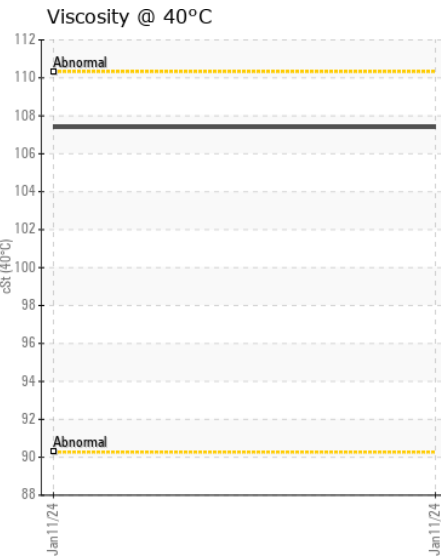
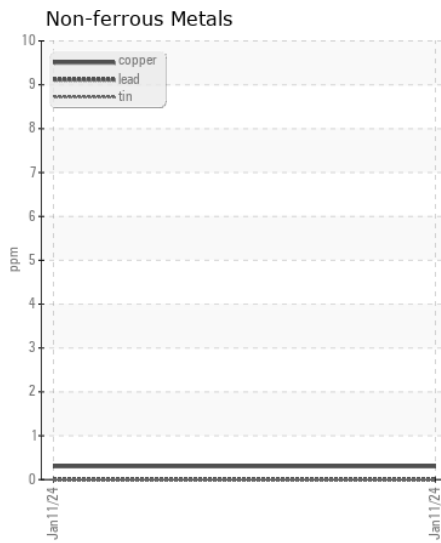
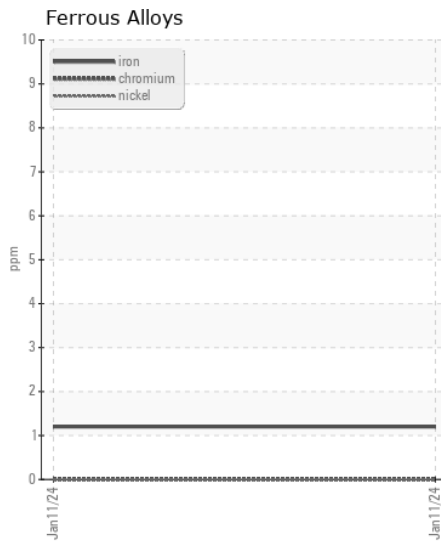
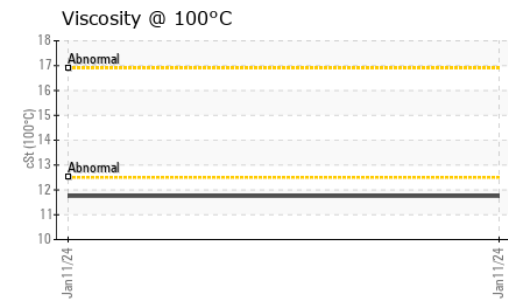
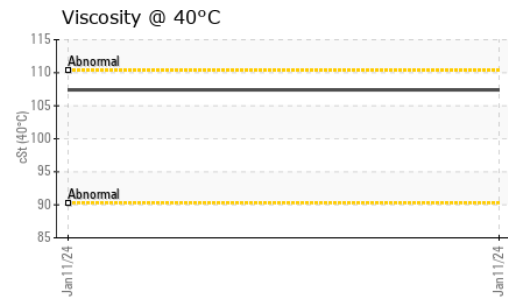
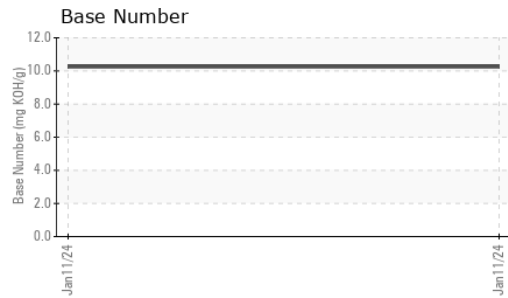
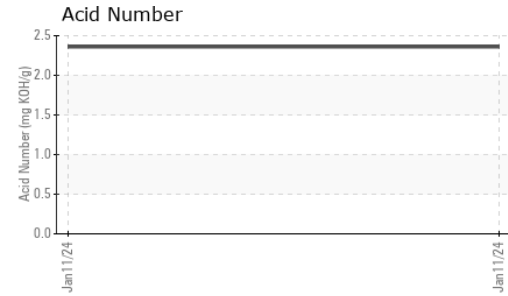
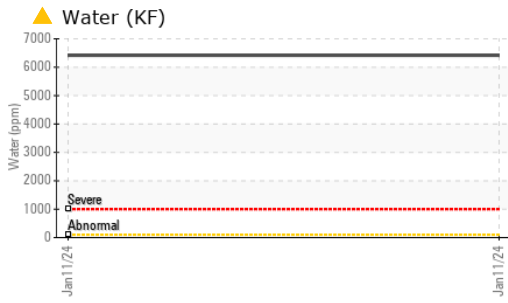
**CONTAMINATION**

Appearance is hazy. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m		8	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water	%	ASTM D6304		▲ 0.642	---	---
ppm Water	ppm	ASTM D6304		▲ 6418	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	▲ HAZY	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		▲ 0.2%	---	---

**FLUID CONDITION**

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		59	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		45	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		520	---	---
Calcium	ppm	ASTM D5185m		1662	---	---
Phosphorus	ppm	ASTM D5185m		791	---	---
Zinc	ppm	ASTM D5185m		963	---	---
Sulfur	ppm	ASTM D5185m		2564	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		2.36	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		10.25	---	---
Visc @ 40°C	cSt	ASTM D445		107.4	---	---
Visc @ 100°C	cSt	ASTM D445		11.75	---	---
Viscosity Index (VI)	Scale	ASTM D2270		97	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0057260 **Received** : 16 Jan 2024  
**Lab Number** : 06061591 **Diagnosed** : 23 Jan 2024  
**Unique Number** : 10832973 **Diagnostician** : Doug Bogart

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

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

Contact: OSCAR NUNEZ  
 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: