

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**20-80 (S/N 52349)**

Component  
**Left Final Drive**

Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0056821</b>	---	---
Sample Date	Client Info	<b>06 Feb 2024</b>	---	---
Machine Age	hrs Client Info	<b>5865</b>	---	---
Oil Age	hrs Client Info	<b>5865</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	<b>145</b>	---	---
Chromium	ppm ASTM D5185m >10	<b>1</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>0</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >25	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185m >25	<b>0</b>	---	---
Copper	ppm ASTM D5185m >50	<b>0</b>	---	---
Tin	ppm ASTM D5185m >10	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>3</b>	---	---
Barium	ppm ASTM D5185m 0	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m 0	<b>0</b>	---	---
Manganese	ppm ASTM D5185m 9	<b>1</b>	---	---
Magnesium	ppm ASTM D5185m 1	<b>15</b>	---	---
Calcium	ppm ASTM D5185m 3131	<b>2806</b>	---	---
Phosphorus	ppm ASTM D5185m 1194	<b>850</b>	---	---
Zinc	ppm ASTM D5185m 1281	<b>1172</b>	---	---
Sulfur	ppm ASTM D5185m 3811	<b>4626</b>	---	---

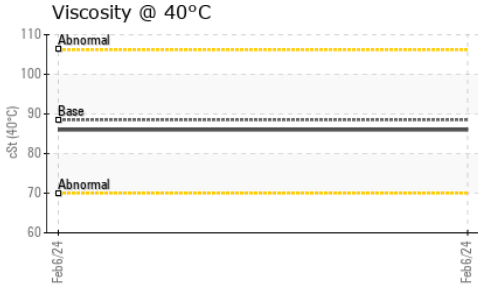
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>13</b>	---	---
Sodium	ppm ASTM D5185m	<b>0</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>0</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 >0.2	<b>NEG</b>	---	---
Free Water	scalar *Visual	<b>NEG</b>	---	---

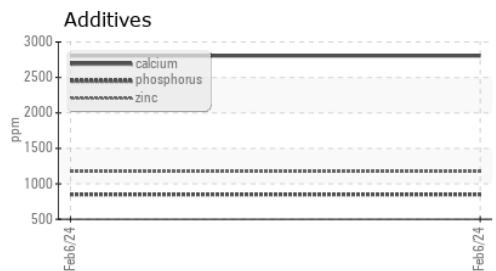
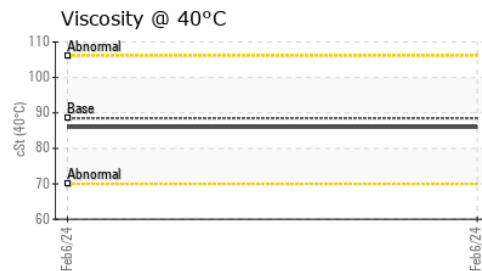
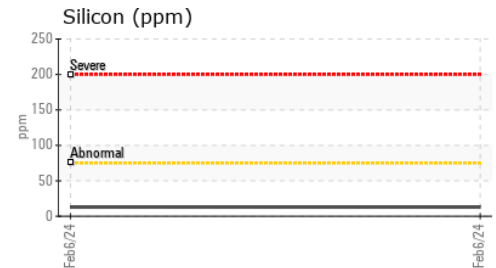
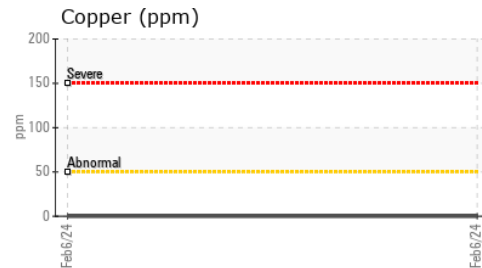
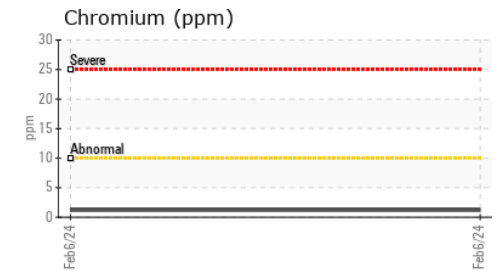
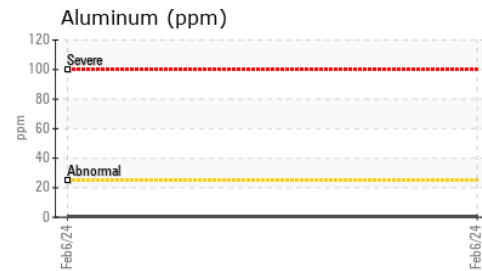
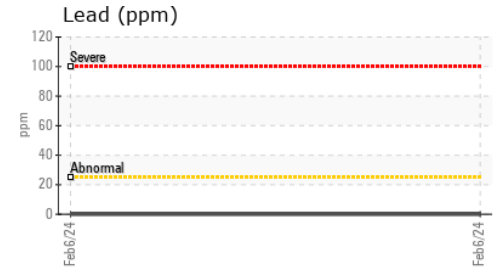
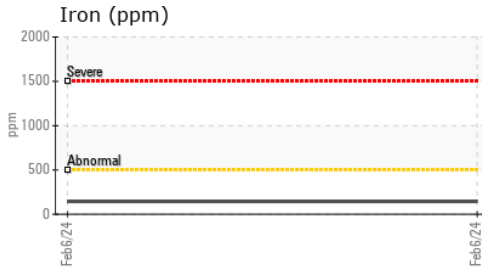
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	88.5	<b>86.0</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0056821      **Received** : 18 Mar 2024  
**Lab Number** : **06121210**      **Tested** : 19 Mar 2024  
**Unique Number** : 10930043      **Diagnosed** : 19 Mar 2024 - Wes Davis  
**Test Package** : MOB 1

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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)