



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**OR938**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (5 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 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>GFL0124535</b>	---	---
Sample Date	Client Info		<b>26 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>11423</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed		Client Info	<b>N/A</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 D5185(m) >800	<b>180</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m) >15	<b>1</b>	---	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >75	<b>16</b>	---	---
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >75	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m) >8	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >50	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 2	<b>29</b>	---	---
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>1</b>	---	---
Manganese	ppm	ASTM D5185(m) 9	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 1	<b>27</b>	---	---
Calcium	ppm	ASTM D5185(m) 3131	<b>2909</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1194	<b>933</b>	---	---
Zinc	ppm	ASTM D5185(m) 1281	<b>1164</b>	---	---
Sulfur	ppm	ASTM D5185(m) 3811	<b>4368</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >400	<b>60</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>6</b>	---	---

