

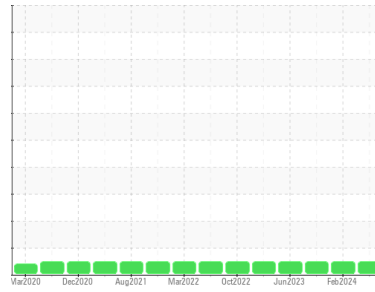


# OIL ANALYSIS REPORT



Machine Id  
**OR564**  
 Component  
**Transmission (Manual)**  
 Fluid  
**PETRO CANADA DURATRAN (23 LTR)**

Sample Rating Trend



**NORMAL**



## 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 fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0113420</b>	GFL0092214	GFL0087399
Sample Date	Client Info		<b>26 Apr 2024</b>	09 Feb 2024	22 Aug 2023
Machine Age	hrs	Client Info	<b>21261</b>	20550	19195
Oil Age	hrs	Client Info	<b>5000</b>	16204	1000
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>6</b>	8	5
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	3	1
Lead	ppm	ASTM D5185(m)	>45	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>225	<b>1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	110	<b>81</b>	85	85
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>1</b>	2	2
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	13	<b>34</b>	34	31
Calcium	ppm	ASTM D5185(m)	3610	<b>3083</b>	3145	3054
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1051</b>	1073	1108
Zinc	ppm	ASTM D5185(m)	1455	<b>1237</b>	1251	1235
Sulfur	ppm	ASTM D5185(m)	2641	<b>2566</b>	2778	2568
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>125	<b>7</b>	8	8
Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1

