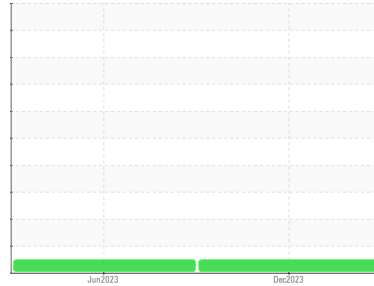




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ORIN CONTRACTORS**  
 Machine Id  
**100-012**  
 Component  
**Swing Drive**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

## 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>WC0888502</b>	LH0261504	---
Sample Date	Client Info		<b>27 Dec 2023</b>	21 Jun 2023	---
Machine Age	hrs	Client Info	<b>0</b>	3771	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.25	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >1200	<b>19</b>	52	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m) >50	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >50	<b>2</b>	3	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>235</b>	227	---
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	1	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 2	<b>2</b>	4	---
Calcium	ppm	ASTM D5185(m) 6	<b>7</b>	20	---
Phosphorus	ppm	ASTM D5185(m) 987	<b>943</b>	966	---
Zinc	ppm	ASTM D5185(m) 1	<b>10</b>	12	---
Sulfur	ppm	ASTM D5185(m) 21530	<b>17057</b>	16388	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >100	<b>4</b>	6	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	---

