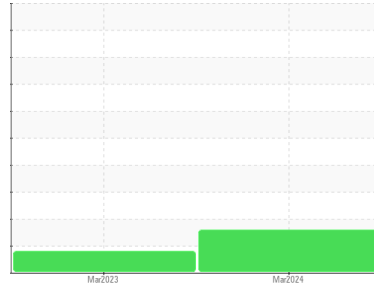




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**WL0365**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA 10W (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. Les taux d'usure de tous les composants sont normaux.

### Contamination

Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

### Fluid Condition

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0094959</b>	GFL0076640	---
Sample Date	Client Info		<b>22 Mar 2024</b>	10 Mar 2023	---
Machine Age	hrs	Client Info	<b>27749</b>	26118	---
Oil Age	hrs	Client Info	<b>4000</b>	26118	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>ABNORMAL</b>	ATTENTION	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m) >20	<b>24</b>	22	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >10	<b>2</b>	2	---
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m) >75	<b>4</b>	3	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<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

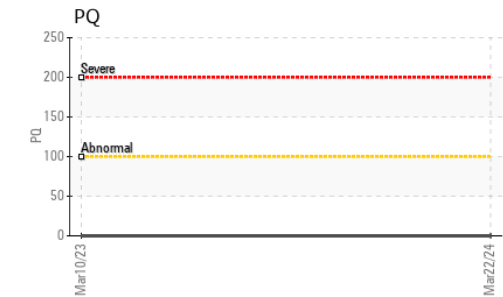
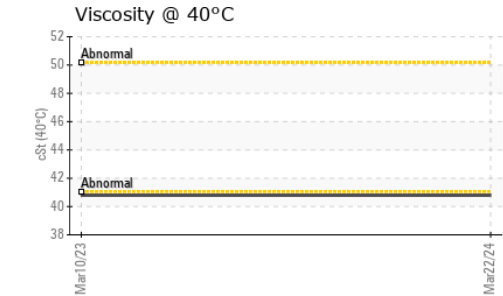
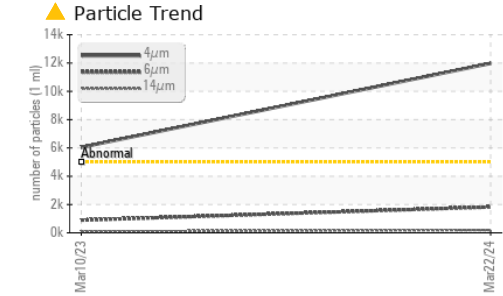
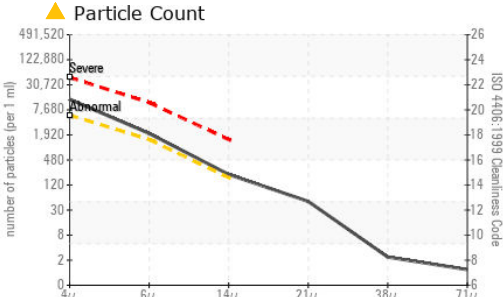
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>5</b>	5	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	<b>8</b>	9	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	<b>28</b>	26	---
Calcium	ppm	ASTM D5185(m)	<b>3343</b>	3587	---
Phosphorus	ppm	ASTM D5185(m)	<b>869</b>	998	---
Zinc	ppm	ASTM D5185(m)	<b>1039</b>	1084	---
Sulfur	ppm	ASTM D5185(m)	<b>3755</b>	4200	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>8</b>	20	---
Sodium	ppm	ASTM D5185(m)	<b>5</b>	3	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	1	---





# OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ <b>11978</b>	● 6043	---
Particles >6µm	ASTM D7647	>1300	● <b>1823</b>	894	---
Particles >14µm	ASTM D7647	>160	● <b>190</b>	100	---
Particles >21µm	ASTM D7647	>40	<b>43</b>	30	---
Particles >38µm	ASTM D7647	>10	<b>2</b>	2	---
Particles >71µm	ASTM D7647	>3	<b>1</b>	1	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ <b>21/18/15</b>	● 20/17/14	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Debris	scalar	Visual*	NONE	<b>LIGHT</b>	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>40.8</b>	40.8	---

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0094959      **Received** : 25 Mar 2024  
**Lab Number** : **02624327**      **Tested** : 26 Mar 2024  
**Unique Number** : 5749446      **Diagnosed** : 26 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ, PrtCount )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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