

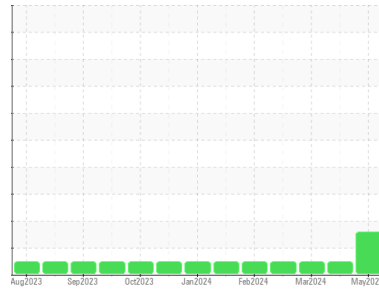


# OIL ANALYSIS REPORT



Area  
**{UNASSIGNED}**  
 Machine Id  
**933045**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)**

## Sample Rating Trend



**WATER**



## DIAGNOSIS

### Recommendation

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate concentration of water present 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>GFL0122187</b>	GFL0115687	GFL0115711
Sample Date	Client Info		<b>31 May 2024</b>	10 Apr 2024	25 Mar 2024
Machine Age	hrs	Client Info	<b>3054</b>	2640	2490
Oil Age	hrs	Client Info	<b>699</b>	285	135
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >220	<b>44</b>	37	33
Chromium	ppm	ASTM D5185m >2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>13</b>	11	11
Lead	ppm	ASTM D5185m >95	<b>5</b>	2	5
Copper	ppm	ASTM D5185m >60	<b>12</b>	8	8
Tin	ppm	ASTM D5185m >10	<b>1</b>	0	2
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>40</b>	57	55
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m	<b>134</b>	135	114
Phosphorus	ppm	ASTM D5185m	<b>224</b>	234	207
Zinc	ppm	ASTM D5185m	<b>23</b>	10	7
Sulfur	ppm	ASTM D5185m	<b>1957</b>	2180	1863

## CONTAMINANTS

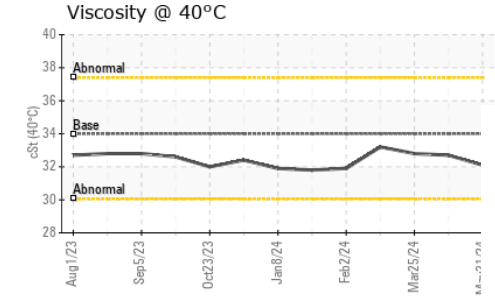
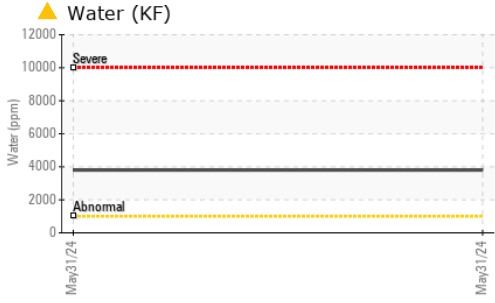
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	3	4
Sodium	ppm	ASTM D5185m	<b>4</b>	4	5
Potassium	ppm	ASTM D5185m >20	<b>3</b>	1	2
Water	%	ASTM D6304 >0.1	<b>▲ 0.380</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	<b>▲ 3800</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>▲ 0.2%</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



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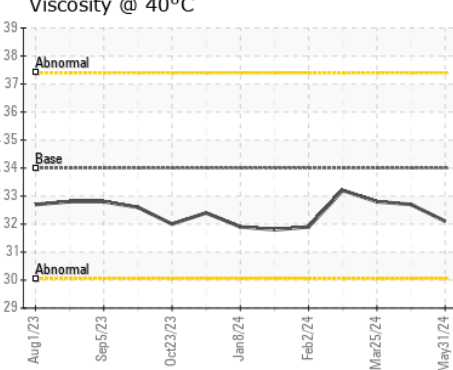
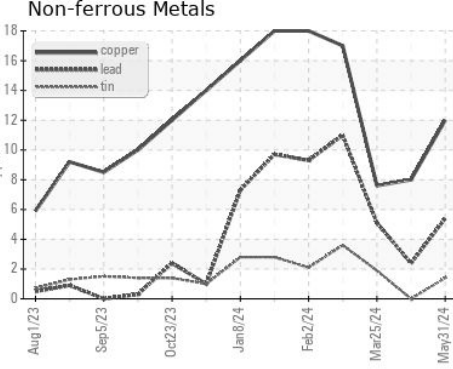
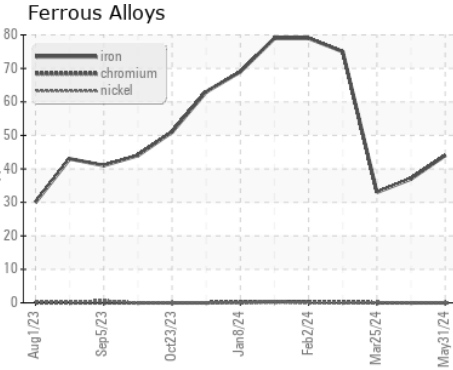


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	32.1	32.7	32.8

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0122187      **Received** : 03 Jun 2024  
**Lab Number** : 06198072      **Tested** : 04 Jun 2024  
**Unique Number** : 11060195      **Diagnosed** : 05 Jun 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: KF )

**GFL Environmental - 010 - Stockbridge**  
 1280 Rum Creek Parkway  
 Stockbridge, GA  
 US 30281  
 Contact: JOSHUA TINKER  
 joshuatinker@gflenv.com

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)

T:  
F: