



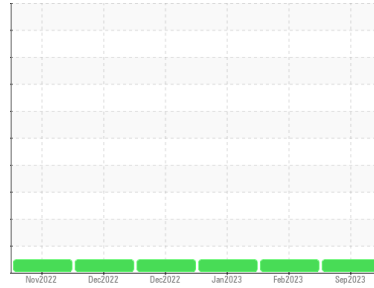
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**166**  
 Machine Id  
**413005**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- 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 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>GFL0087892</b>	GFL0070620	GFL0070582	
Sample Date	Client Info	<b>06 Sep 2023</b>	14 Feb 2023	20 Jan 2023	
Machine Age	hrs	Client Info	<b>2190</b>	12761	3270
Oil Age	hrs	Client Info	<b>1200</b>	600	3270
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Not Changd	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >220	<b>95</b>	47	46
Chromium	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
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>33</b>	12	12
Lead	ppm	ASTM D5185m >95	<b>9</b>	4	4
Copper	ppm	ASTM D5185m >60	<b>21</b>	8	8
Tin	ppm	ASTM D5185m >10	<b>6</b>	3	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>46</b>	61	65
Barium	ppm	ASTM D5185m	<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m	<b>17</b>	<1	<1
Calcium	ppm	ASTM D5185m	<b>134</b>	117	114
Phosphorus	ppm	ASTM D5185m	<b>206</b>	192	202
Zinc	ppm	ASTM D5185m	<b>19</b>	2	2
Sulfur	ppm	ASTM D5185m	<b>1842</b>	1881	1709

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<b>6</b>	4	5
Sodium	ppm	ASTM D5185m	<b>4</b>	4	3
Potassium	ppm	ASTM D5185m >20	<b>4</b>	2	3

## VISUAL

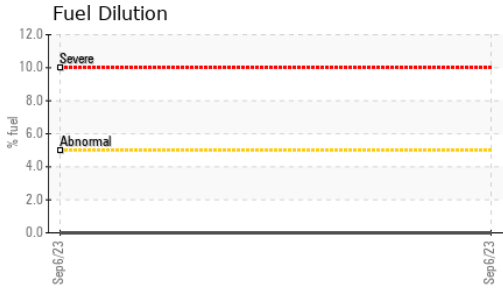
method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

## FLUID PROPERTIES

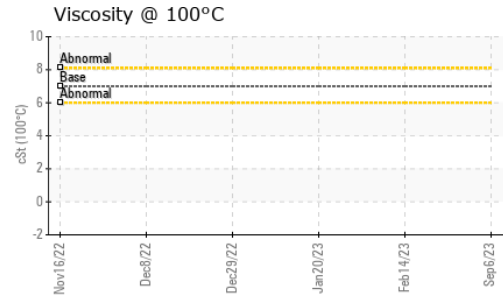
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 34	<b>31.84</b>	32.6	32.9



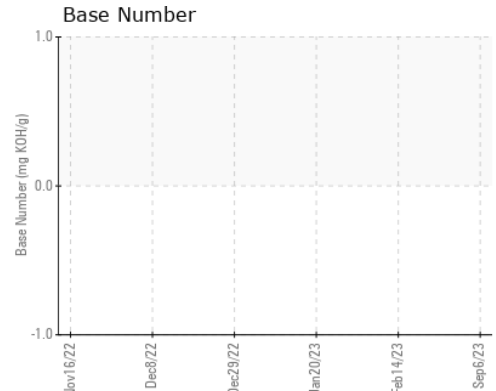
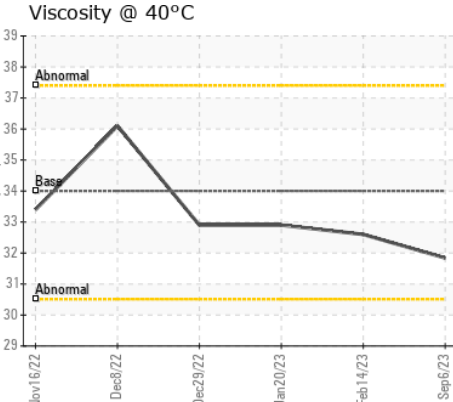
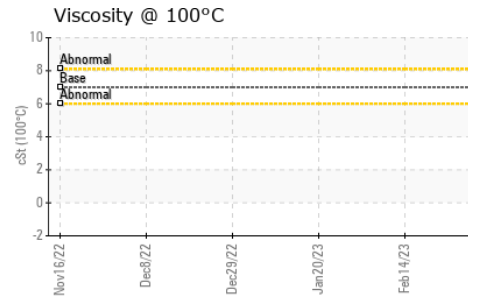
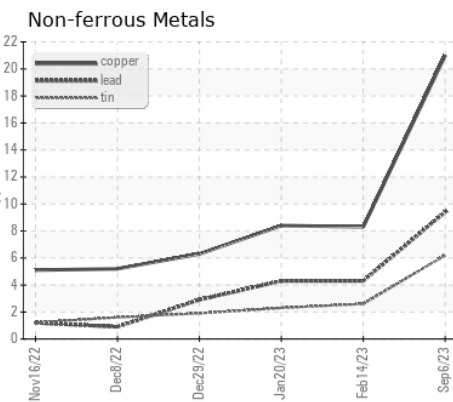
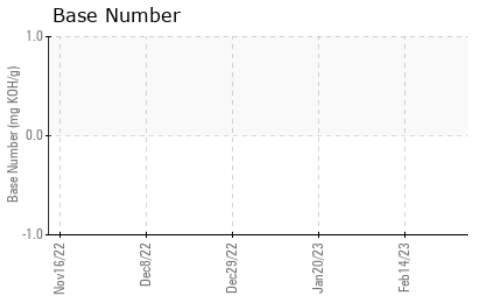
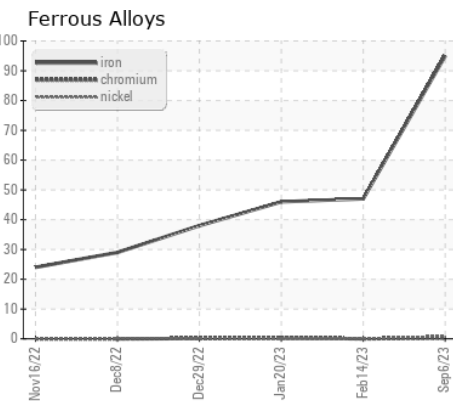
# OIL ANALYSIS REPORT



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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0087892 **Received** : 18 Sep 2023  
**Lab Number** : 05953763 **Diagnosed** : 21 Sep 2023  
**Unique Number** : 10654976 **Diagnostician** : Doug Bogart

**GFL Environmental - 166 - Phenix City**  
 18 Old Brickyard Rd  
 Phenix City, AL  
 US 36869  
 Contact: DEAN PEACE JR  
 dean.peace@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: