



# PROBLEM SUMMARY

Sample Rating Trend

DIRT

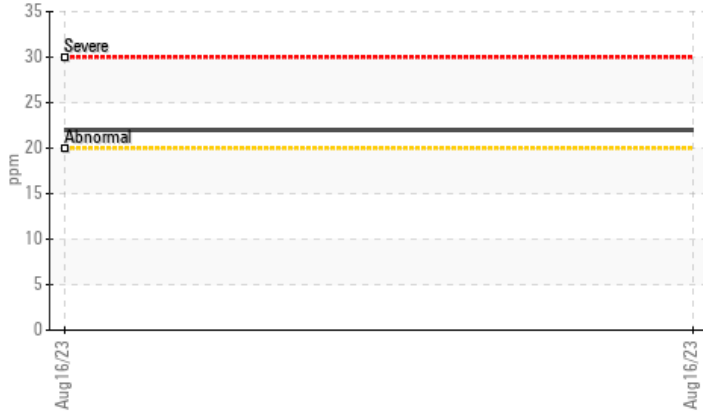


Area  
**{UNASSIGNED}**  
 Machine Id  
**834020**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)**

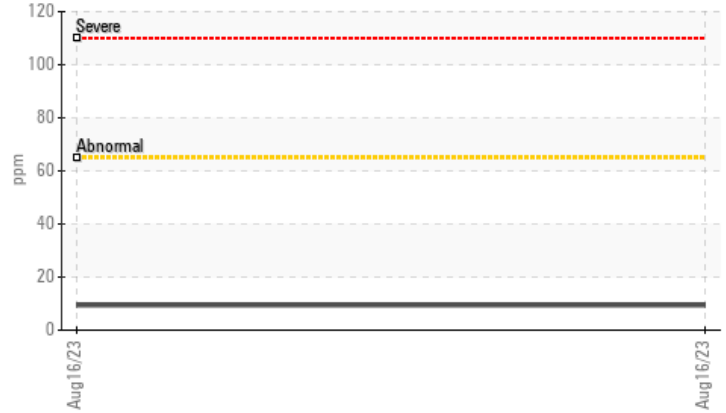


## COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



▲ Aluminum (ppm)



## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL		---	---
Aluminum	ppm	ASTM D5185m >65	▲ 9	---
Silicon	ppm	ASTM D5185m >20	▲ 22	---

Customer Id: GFL010  
 Sample No.: GFL0091453  
 Lab Number: 05930093  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Sean Felton +1 919-379-4092  
[sfelton@wearcheckusa.com](mailto:sfelton@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

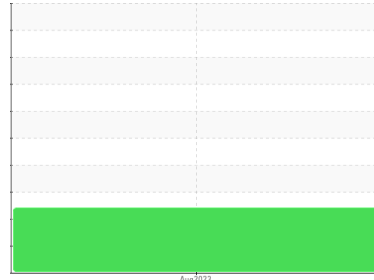
## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Area  
**{UNASSIGNED}**  
 Machine Id  
**834020**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)**

Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

**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>GFL0091453</b>	---	---
Sample Date	Client Info	<b>16 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>207</b>	---	---
Oil Age	hrs Client Info	<b>207</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>230	<b>28</b>	---	---
Chromium ppm ASTM D5185m	>2	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>0</b>	---	---
Titanium ppm ASTM D5185m	>2	<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m	>5	<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>65	<b>▲ 9</b>	---	---
Lead ppm ASTM D5185m	>55	<b>0</b>	---	---
Copper ppm ASTM D5185m	>85	<b>6</b>	---	---
Tin ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>56</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>1</b>	---	---
Magnesium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Calcium ppm ASTM D5185m		<b>122</b>	---	---
Phosphorus ppm ASTM D5185m		<b>200</b>	---	---
Zinc ppm ASTM D5185m		<b>9</b>	---	---
Sulfur ppm ASTM D5185m		<b>1804</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>20	<b>▲ 22</b>	---	---
Sodium ppm ASTM D5185m		<b>5</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	---	---

## VISUAL

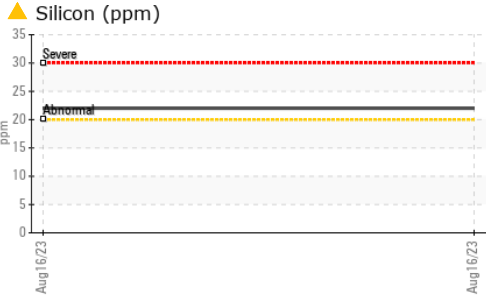
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt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

## FLUID PROPERTIES

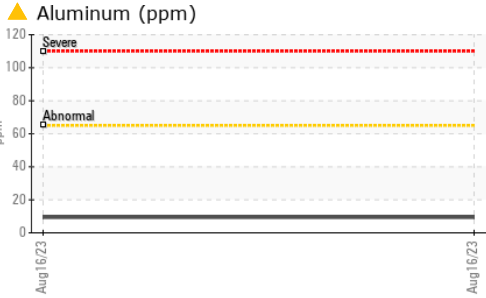
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	34	<b>33.1</b>	---	---



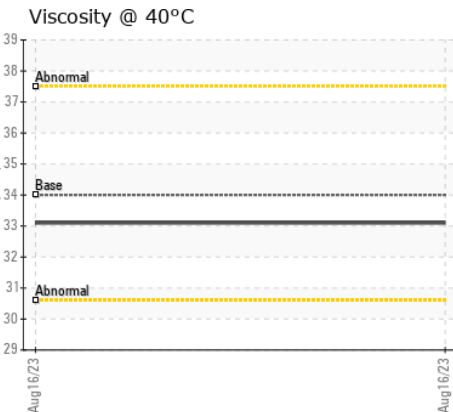
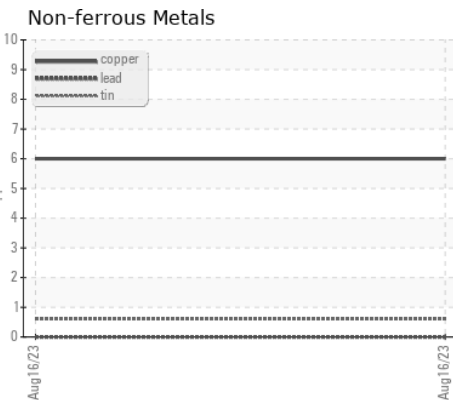
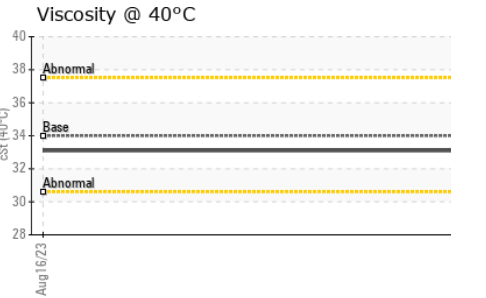
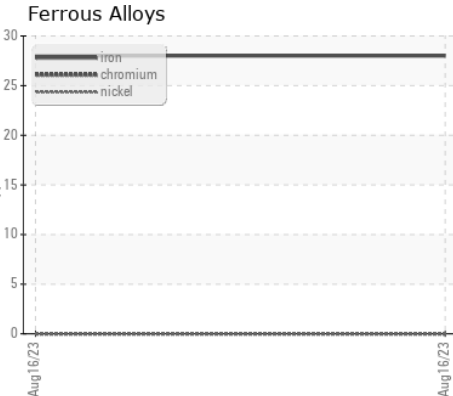
# OIL ANALYSIS REPORT



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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0091453 **Received** : 21 Aug 2023  
**Lab Number** : 05930093 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10615364 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**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: