



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Machine Id  
**419004**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DURADRIIVE HD SYNTHETIC ATF (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### ▲ Wear

Usure des engrenages. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

### Contamination

La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans le fluide.

### Fluid Condition

le fluide 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>GFL0088838</b>	---	---
Sample Date	Client Info	<b>02 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>175652</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >75	<b>26</b>	---	---
Iron	ppm ASTM D5185(m) >220	<b>▲ 254</b>	---	---
Chromium	ppm ASTM D5185(m) >2	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m) >5	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >75	<b>48</b>	---	---
Lead	ppm ASTM D5185(m) >95	<b>53</b>	---	---
Copper	ppm ASTM D5185(m) >60	<b>46</b>	---	---
Tin	ppm ASTM D5185(m) >10	<b>4</b>	---	---
Antimony	ppm ASTM D5185(m) >2	<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>133</b>	---	---
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>3</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>1</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>99</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>364</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>6</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>1591</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

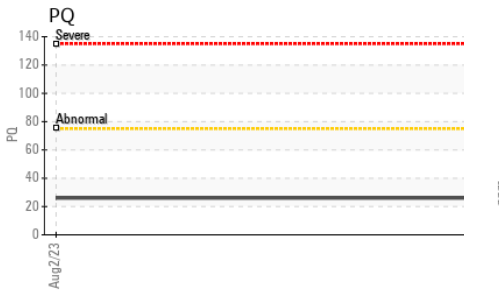
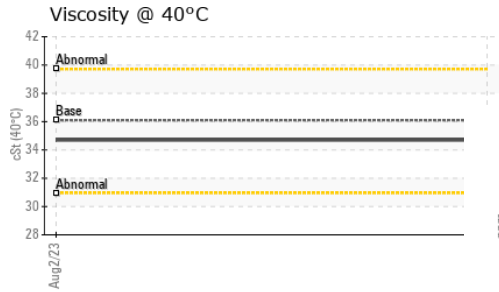
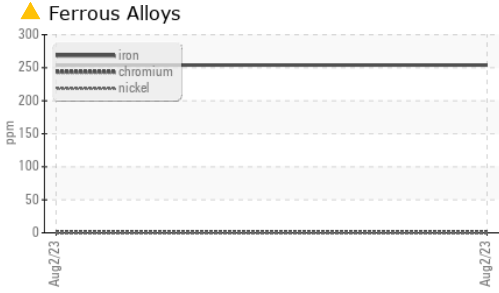
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>11</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>8</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>4</b>	---	---

## 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>VLITE</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>	---	---



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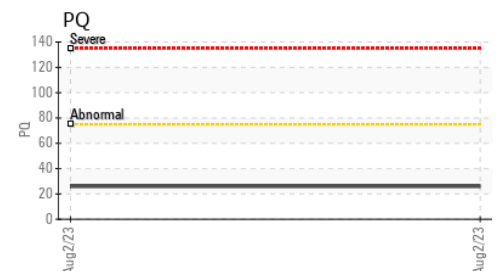
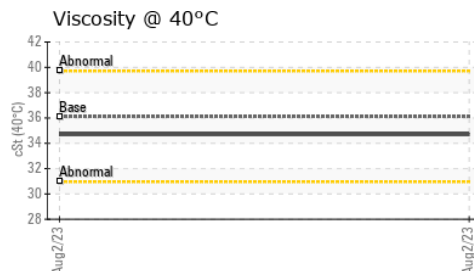
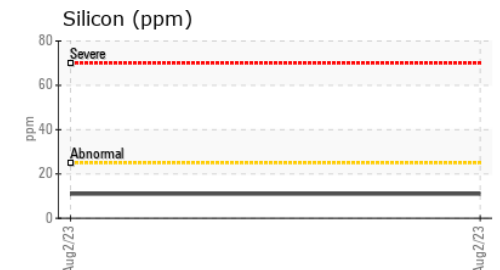
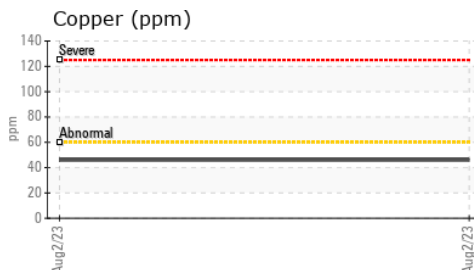
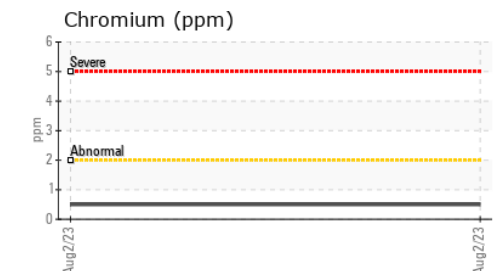
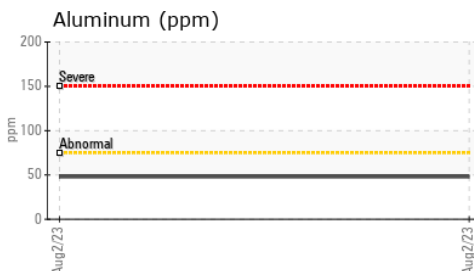
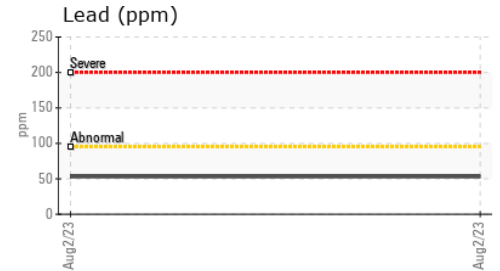
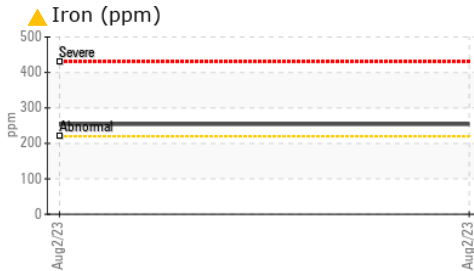
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	36.1	34.7	---

## SAMPLE IMAGES

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088838 **Received** : 08 Aug 2023  
**Lab Number** : 02574560 **Diagnosed** : 09 Aug 2023  
**Unique Number** : 5619611 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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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