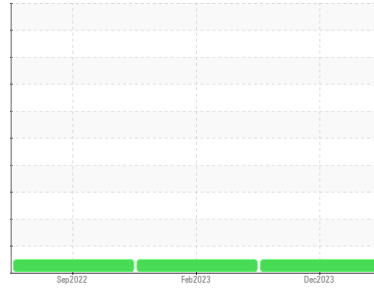




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**428097**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DURADRIVE HD SYNTHETIC ATF (--- LTR)**

## 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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0099524</b>	GFL0063762	GFL0057813
Sample Date	Client Info		<b>12 Dec 2023</b>	07 Feb 2023	10 Sep 2022
Machine Age	hrs	Client Info	<b>260360</b>	7326	6182
Oil Age	hrs	Client Info	<b>0</b>	1145	0
Oil Changed	Client Info		<b>Changed</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>160	<b>49</b>	28	81
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>6</b>	4	6
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185(m)	>225	<b>6</b>	3	5
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>65</b>	80	88
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	1	1
Calcium	ppm	ASTM D5185(m)		<b>132</b>	131	116
Phosphorus	ppm	ASTM D5185(m)		<b>219</b>	245	252
Zinc	ppm	ASTM D5185(m)		<b>7</b>	4	3
Sulfur	ppm	ASTM D5185(m)		<b>1548</b>	1549	1365
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

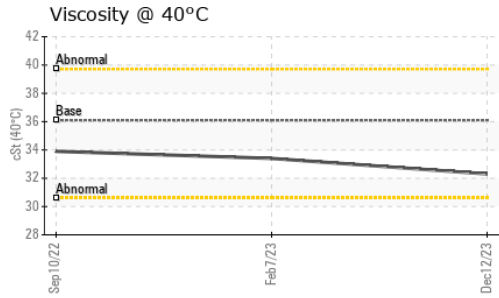
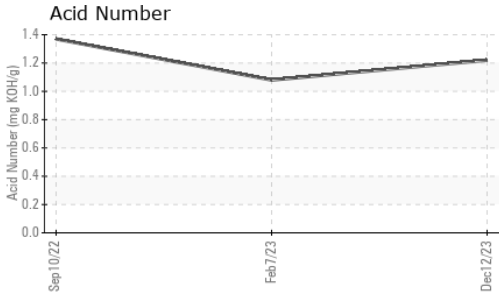
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	6	6
Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	3
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.22</b>	1.08	1.37



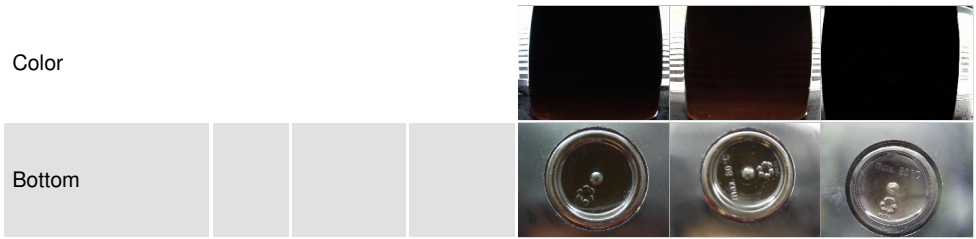
# OIL ANALYSIS REPORT



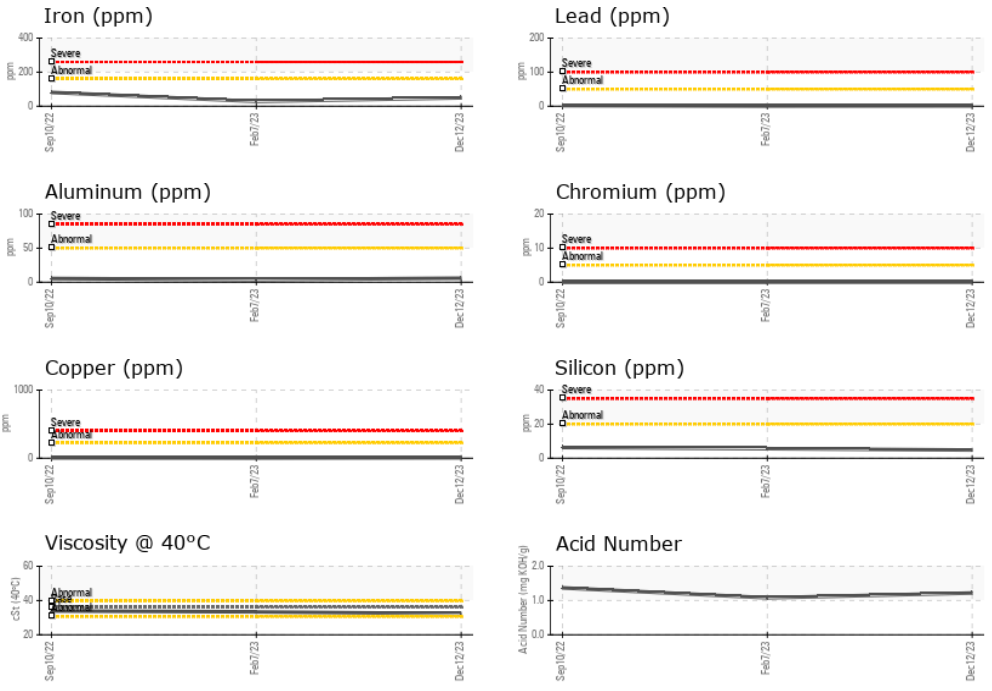
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	LIGHT	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	<b>32.3</b>	33.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County  
**Sample No.** : GFL0099524 **Received** : 20 Dec 2023  
**Lab Number** : **02604460** **Diagnosed** : 20 Dec 2023  
**Unique Number** : 5697545 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

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.

220 Carmek Blvd  
 Rocky View County, AB  
 CA T1X 1X1  
 Contact: GFL Calgary  
 calgarymaintenance@gflenv.com  
 T:  
 F: (403)369-6163