



# OIL ANALYSIS REPORT

Sample Rating Trend

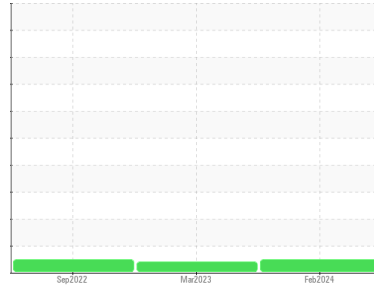
**NORMAL**



Area  
**(69J1UN)**  
Machine Id  
**929085-260360**

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>GFL0065739</b>	GFL0070199	GFL0050610
Sample Date	Client Info	<b>07 Feb 2024</b>	21 Mar 2023	30 Sep 2022
Machine Age	hrs	<b>0</b>	8870	7948
Oil Age	hrs	<b>0</b>	8870	2400
Oil Changed	Client Info	<b>Not Changed</b>	Not Changd	Not Changed
Sample Status		<b>NORMAL</b>	MARGINAL	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 D5185m >160	<b>12</b>	32	55
Chromium	ppm ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >50	<b>2</b>	8	12
Lead	ppm ASTM D5185m >50	<b>&lt;1</b>	1	7
Copper	ppm ASTM D5185m >225	<b>1</b>	4	8
Tin	ppm ASTM D5185m >10	<b>0</b>	<1	1
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>79</b>	78	96
Barium	ppm ASTM D5185m	<b>12</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>4</b>	1	0
Calcium	ppm ASTM D5185m	<b>122</b>	128	87
Phosphorus	ppm ASTM D5185m	<b>263</b>	266	230
Zinc	ppm ASTM D5185m	<b>24</b>	19	5
Sulfur	ppm ASTM D5185m	<b>1932</b>	1787	1334

## CONTAMINANTS

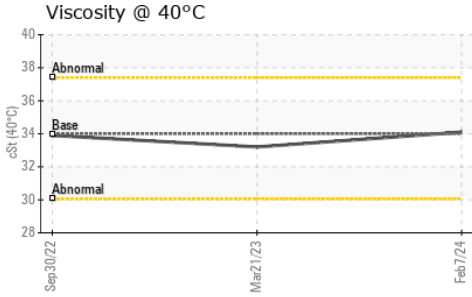
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>4</b>	10	8
Sodium	ppm ASTM D5185m	<b>0</b>	4	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1

## VISUAL

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



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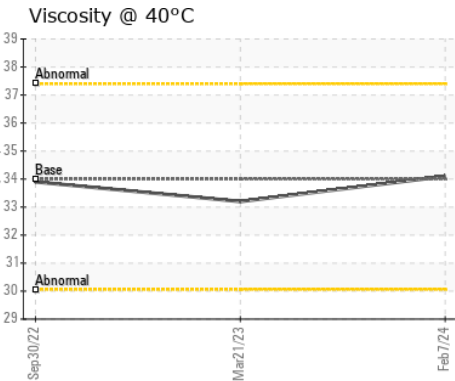
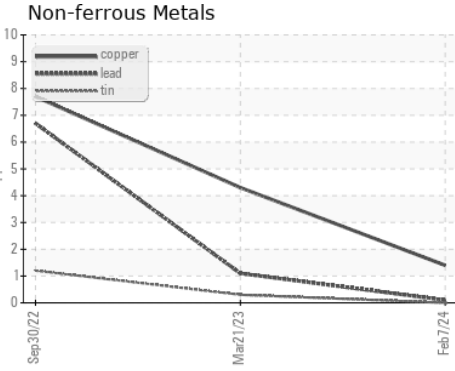
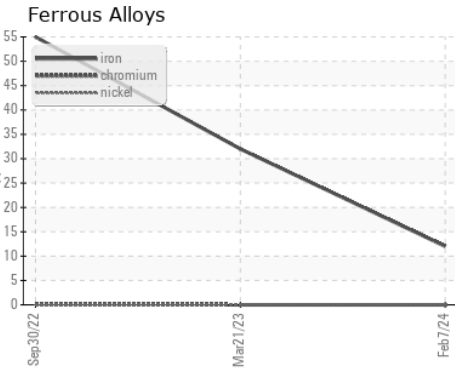
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	<b>34.1</b>	33.2	33.9

## 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.** : GFL0065739  
**Lab Number** : 06089178  
**Unique Number** : 10876623  
**Test Package** : FLEET

**Received** : 14 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 15 Feb 2024 - Wes Davis

**GFL Environmental - 836 - Kansas City Hauling**  
 7801 East Truman Road  
 Kansas City, MO  
 US 64126  
 Contact: Loyce Stewart  
 loyce.stewart@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)

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F: