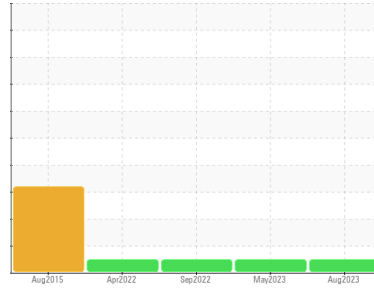




# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**9950**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (40 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>GFL0084329</b>	GFL0077612	GFL0057851
Sample Date	Client Info		<b>15 Aug 2023</b>	20 May 2023	21 Sep 2022
Machine Age	kms	Client Info	<b>517195</b>	0	23939
Oil Age	kms	Client Info	<b>0</b>	0	466
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>100	<b>0</b>	6	---
Iron	ppm	ASTM D5185(m)	>300	<b>50</b>	130
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)	>3	<b>0</b>	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>70	<b>6</b>	15
Lead	ppm	ASTM D5185(m)	>85	<b>2</b>	7
Copper	ppm	ASTM D5185(m)	>90	<b>5</b>	12
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	78	<b>98</b>	133
Barium	ppm	ASTM D5185(m)		<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1
Magnesium	ppm	ASTM D5185(m)	0	<b>1</b>	2
Calcium	ppm	ASTM D5185(m)	113	<b>107</b>	76
Phosphorus	ppm	ASTM D5185(m)	222	<b>255</b>	336
Zinc	ppm	ASTM D5185(m)		<b>4</b>	4
Sulfur	ppm	ASTM D5185(m)	1326	<b>1293</b>	981
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

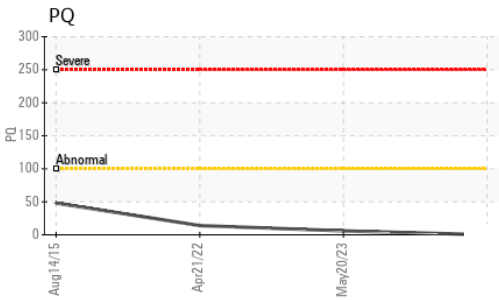
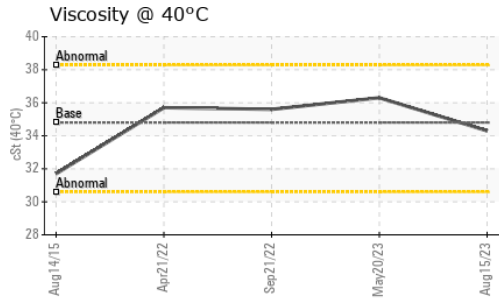
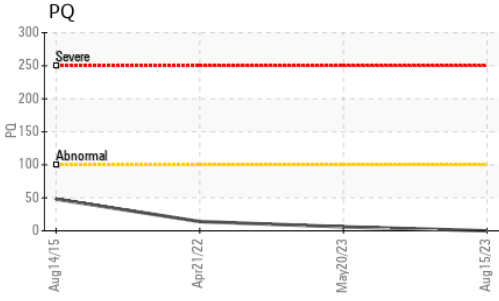
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<b>7</b>	9
Sodium	ppm	ASTM D5185(m)		<b>4</b>	9
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	<b>1.10</b>	1.12



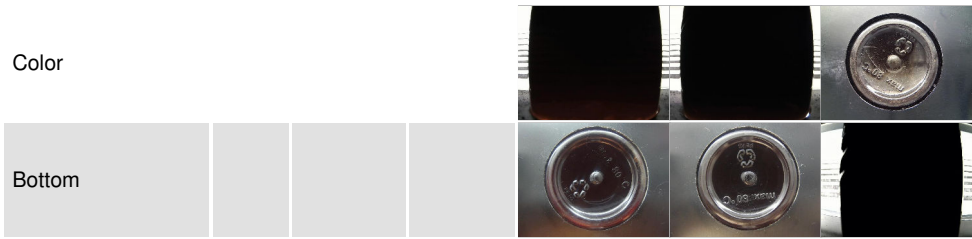
# OIL ANALYSIS REPORT



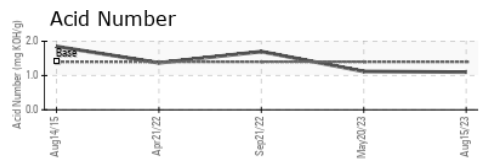
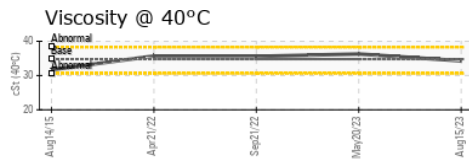
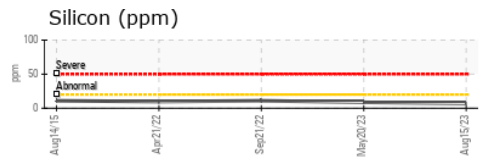
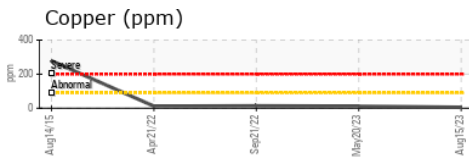
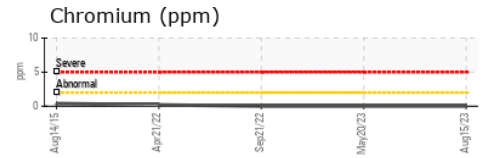
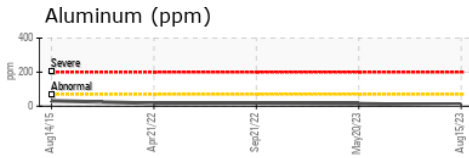
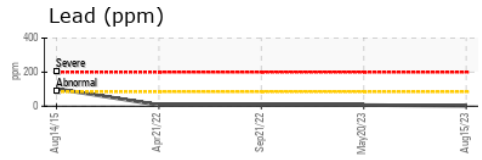
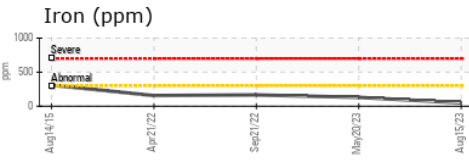
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	34.8	34.3	36.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County  
**Sample No.** : GFL0084329 **Received** : 22 Aug 2023  
**Lab Number** : 02577547 **Diagnosed** : 24 Aug 2023  
**Unique Number** : 5630607 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( 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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