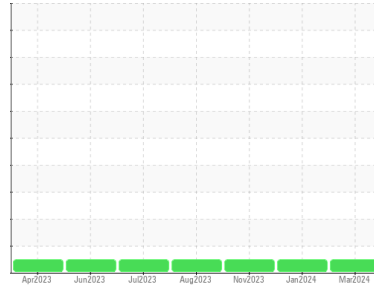


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FORD 615 (S/N 1FAHPZMK8JG117474)**  
 Component  
**Gasoline Engine**  
 Fluid  
**PETRO CANADA SUPREME 5W20 MOTOR OIL (6 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 oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>PCA0117702</b>	PCA0112903	PCA0105361	
Sample Date	Client Info	<b>05 Mar 2024</b>	10 Jan 2024	02 Nov 2023	
Machine Age	mls	Client Info	<b>63568</b>	62236	60089
Oil Age	mls	Client Info	<b>1332</b>	2147	1640
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method >0.2	<b>NEG</b>	NEG	NEG
Glycol	WC Method	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	<b>3</b>	2	3
Chromium	ppm ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >40	<b>4</b>	1	2
Lead	ppm ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D5185m >155	<b>3</b>	2	2
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 183	<b>87</b>	40	65
Barium	ppm ASTM D5185m 0	<b>&lt;1</b>	0	9
Molybdenum	ppm ASTM D5185m 36	<b>86</b>	66	71
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 417	<b>733</b>	517	532
Calcium	ppm ASTM D5185m 1318	<b>1534</b>	1150	1268
Phosphorus	ppm ASTM D5185m 773	<b>932</b>	699	762
Zinc	ppm ASTM D5185m 845	<b>1087</b>	787	845
Sulfur	ppm ASTM D5185m 2690	<b>3535</b>	2480	2788

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >30	<b>29</b>	18	20
Sodium	ppm ASTM D5185m >400	<b>7</b>	4	3
Potassium	ppm ASTM D5185m >20	<b>2</b>	0	2

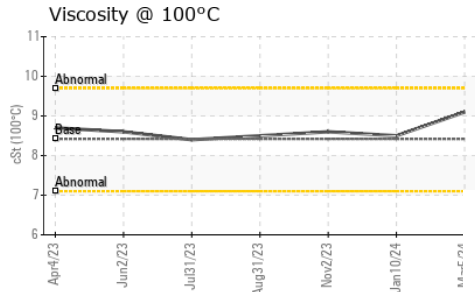
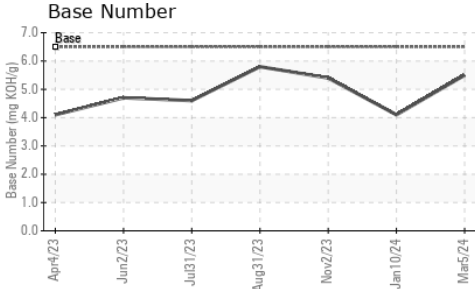
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	<b>0</b>	0	0
Nitration	Abs/cm *ASTM D7624 >20	<b>7.4</b>	7.7	7.7
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>17.7</b>	19.3	18.5

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>12.9</b>	14.3	13.5
Base Number (BN)	mg KOH/g ASTM D2896 6.5	<b>5.5</b>	4.1	5.4

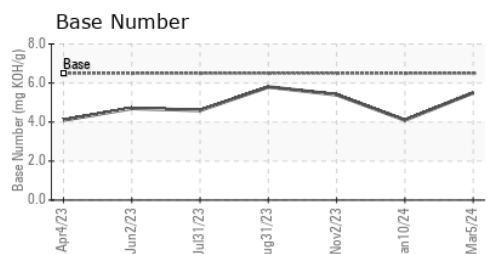
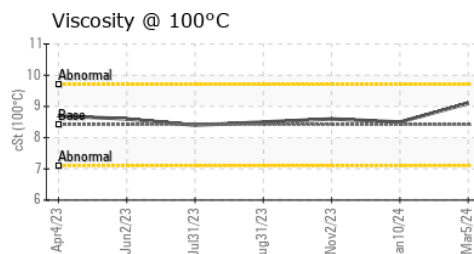
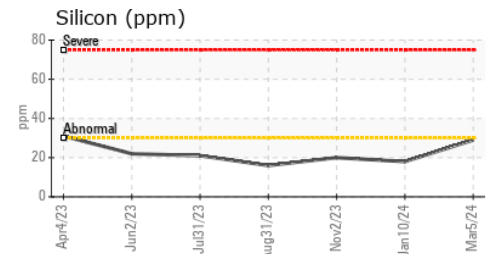
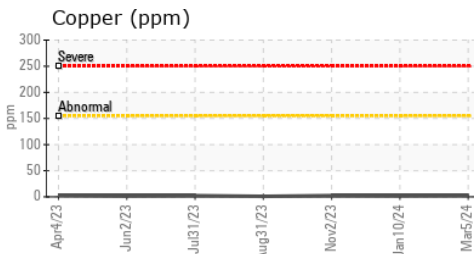
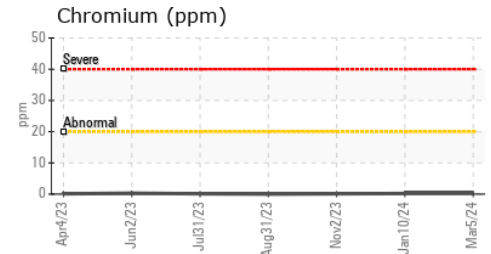
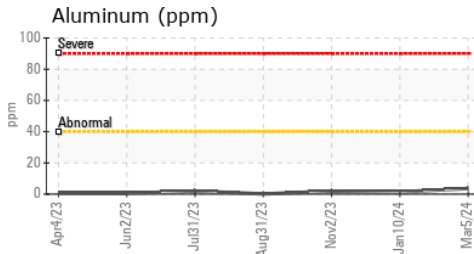
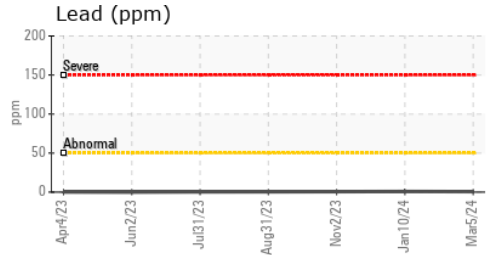
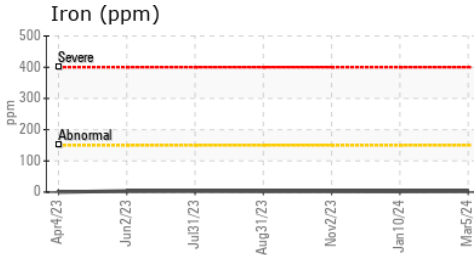
# OIL ANALYSIS REPORT



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	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	8.42	<b>9.1</b>	8.5	8.6

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117702      **Received** : 29 Mar 2024  
**Lab Number** : **06133904**      **Tested** : 01 Apr 2024  
**Unique Number** : 10953369      **Diagnosed** : 03 Apr 2024 - Sean Felton  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**VILLAGE OF NORTH RIVERSIDE**  
 2345 S DESPLAINES  
 NORTH RIVERSIDE, IL  
 US 60546  
 Contact: Service Manager  
 vznrdpw@gmail.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: