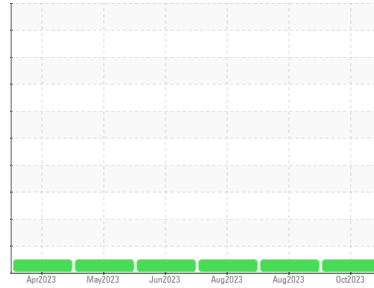


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FORD 613 (S/N 1FM5K8AG4NGA27100)**  
 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>PCA0105351</b>	PCA0100397	PCA0100388
Sample Date	Client Info		<b>06 Oct 2023</b>	31 Aug 2023	03 Aug 2023
Machine Age	mls	Client Info	<b>26194</b>	23653	21955
Oil Age	mls	Client Info	<b>2541</b>	1698	2127
Oil Changed	Client Info		<b>N/A</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
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	<b>5</b>	4	6
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >40	<b>3</b>	<1	2
Lead	ppm	ASTM D5185m >50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >155	<b>1</b>	<1	1
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	0
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 183	<b>30</b>	40	31
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m 36	<b>67</b>	66	68
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 417	<b>521</b>	570	509
Calcium	ppm	ASTM D5185m 1318	<b>1151</b>	1279	1258
Phosphorus	ppm	ASTM D5185m 773	<b>658</b>	725	701
Zinc	ppm	ASTM D5185m 845	<b>841</b>	904	825
Sulfur	ppm	ASTM D5185m 2690	<b>3226</b>	3033	2763

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>21</b>	15	19
Sodium	ppm	ASTM D5185m >400	<b>5</b>	4	5
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	<1

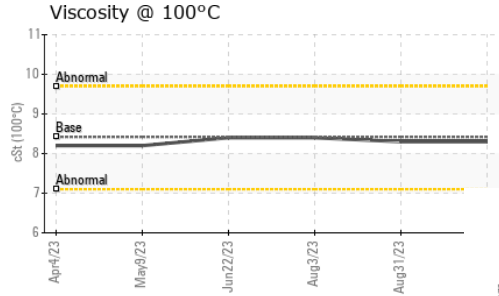
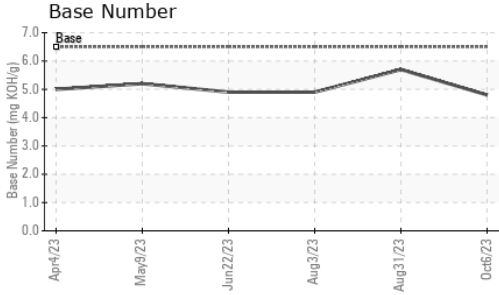
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.6</b>	9.0	9.3
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.7</b>	18.5	19.9

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.0</b>	14.9	16.5
Base Number (BN)	mg KOH/g	ASTM D2896 6.5	<b>4.8</b>	5.7	4.9

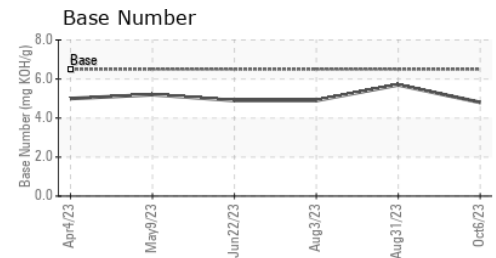
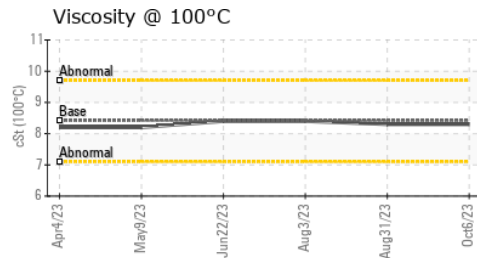
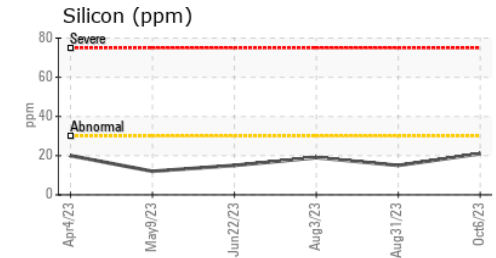
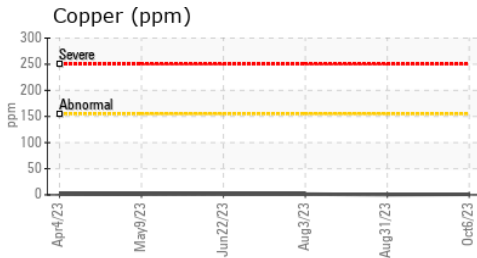
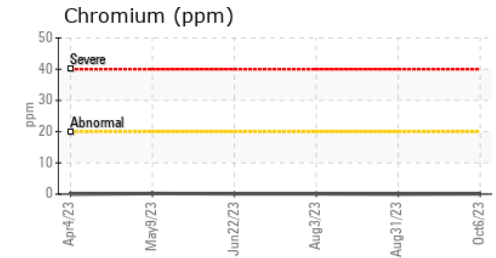
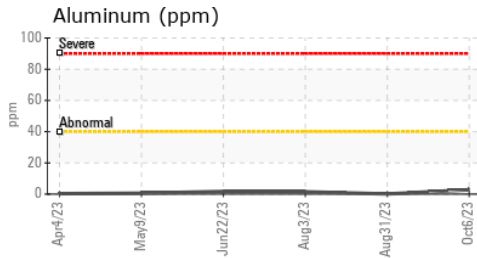
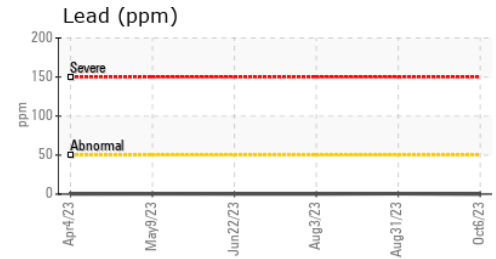
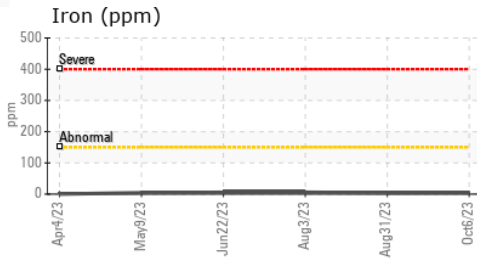
# OIL ANALYSIS REPORT



PARAMETER	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

PARAMETER	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	8.42	8.3	8.4

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0105351 Received : 17 Oct 2023  
 Lab Number : 05981855 Diagnosed : 18 Oct 2023  
 Unique Number : 10699150 Diagnostician : Wes Davis  
 Test Package : MOB 1 ( Additional Tests: TBN )

VILLAGE OF NORTH RIVERSIDE  
 2345 S DESPLAINES  
 NORTH RIVERSIDE, IL  
 US 60546  
 Contact: Service Manager  
 vznrpdw@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: