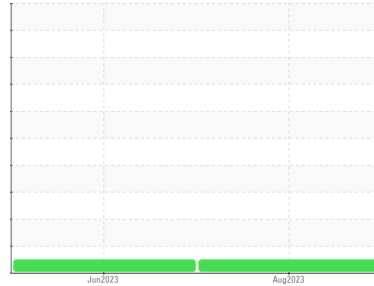


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**FORD 628 (S/N 1FTFW1EF5EFB48533)**

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>PCA0100399</b>	PCA0097977	---
Sample Date	Client Info		<b>30 Aug 2023</b>	27 Jun 2023	---
Machine Age	mls	Client Info	<b>45013</b>	41593	---
Oil Age	mls	Client Info	<b>3420</b>	2372	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	<b>4</b>	7	---
Chromium	ppm	ASTM D5185m >20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >40	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >155	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 183	<b>64</b>	134	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 36	<b>65</b>	62	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 417	<b>563</b>	478	---
Calcium	ppm	ASTM D5185m 1318	<b>1267</b>	1297	---
Phosphorus	ppm	ASTM D5185m 773	<b>724</b>	709	---
Zinc	ppm	ASTM D5185m 845	<b>886</b>	822	---
Sulfur	ppm	ASTM D5185m 2690	<b>3032</b>	3229	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>13</b>	19	---
Sodium	ppm	ASTM D5185m >400	<b>3</b>	4	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---

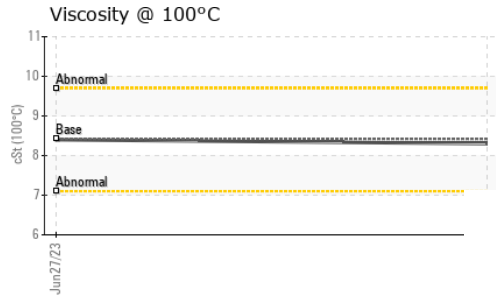
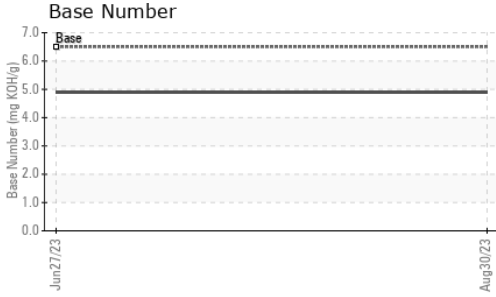
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.0</b>	7.9	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.9</b>	18.1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>14.5</b>	12.4	---
Base Number (BN)	mg KOH/g	ASTM D2896 6.5	<b>4.9</b>	4.9	---

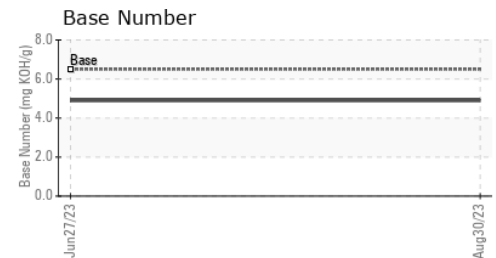
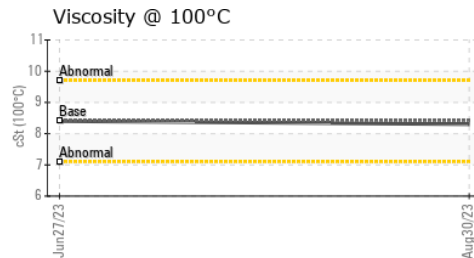
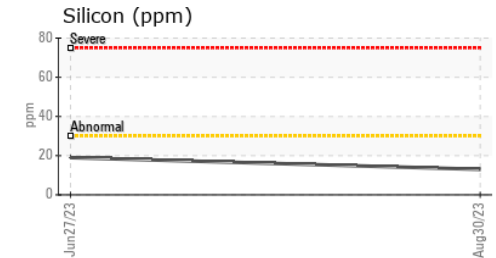
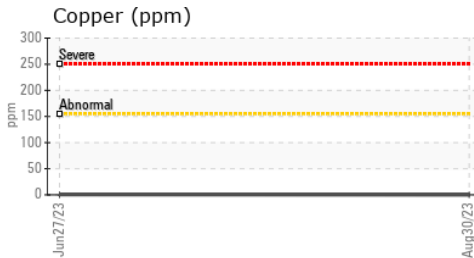
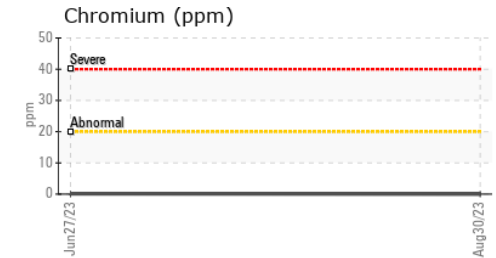
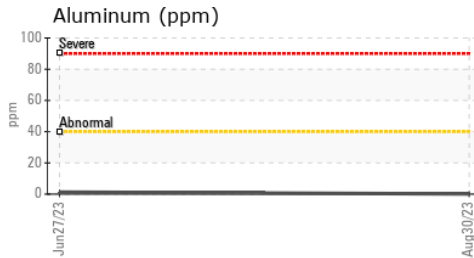
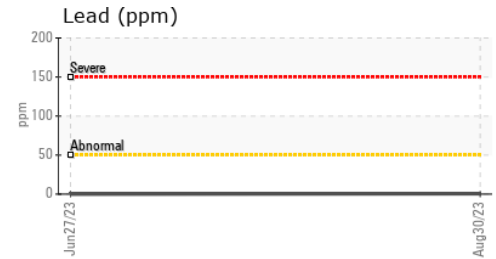
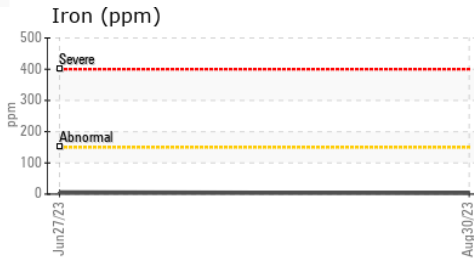
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	8.42	<b>8.3</b>	8.4	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100399     **Received** : 02 Oct 2023  
**Lab Number** : 05965899     **Diagnosed** : 02 Oct 2023  
**Unique Number** : 10672450     **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)

T:  
F: