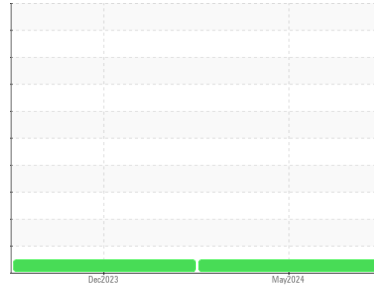


# OIL ANALYSIS REPORT

Area  
**UPS CANADA**  
Machine Id  
**FORD 515579**  
Component  
**Gasoline Engine**  
Fluid  
**PETRO CANADA SUPREME 5W30 (--- LTR)**

Sample Rating Trend



## 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>PC0085516</b>	PC0085565	---
Sample Date	Client Info			<b>29 May 2024</b>	19 Dec 2023	---
Machine Age	kms	Client Info		<b>150798</b>	3072	---
Oil Age	kms	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	---
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	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

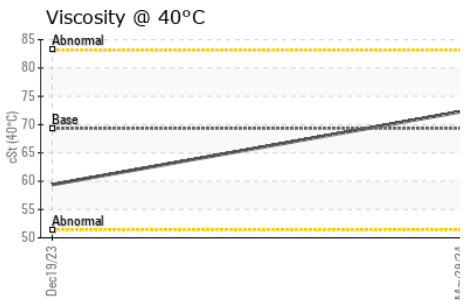
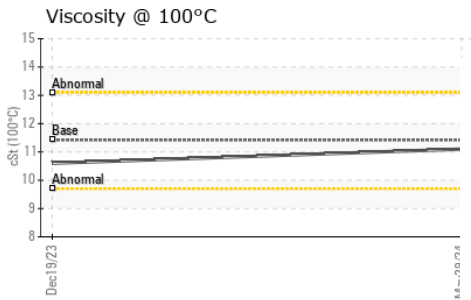
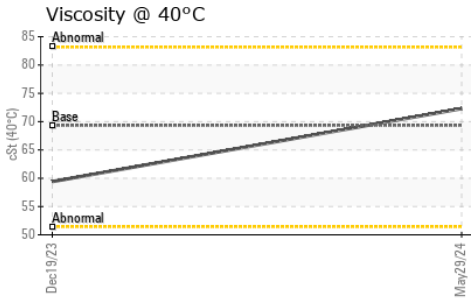
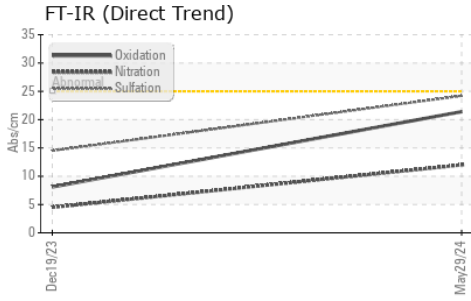
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	<b>8</b>	2	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>40	<b>4</b>	1	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>155	<b>4</b>	3	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<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)	186	<b>10</b>	170	---
Barium	ppm	ASTM D5185(m)	<1	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	79	<b>60</b>	70	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185(m)	578	<b>792</b>	467	---
Calcium	ppm	ASTM D5185(m)	1002	<b>1011</b>	1118	---
Phosphorus	ppm	ASTM D5185(m)	745	<b>809</b>	590	---
Zinc	ppm	ASTM D5185(m)	837	<b>1000</b>	663	---
Sulfur	ppm	ASTM D5185(m)	2502	<b>2235</b>	2248	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	<b>17</b>	23	---
Sodium	ppm	ASTM D5185(m)	>400	<b>5</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.0</b>	4.5	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>24.2</b>	14.5	---

# OIL ANALYSIS REPORT

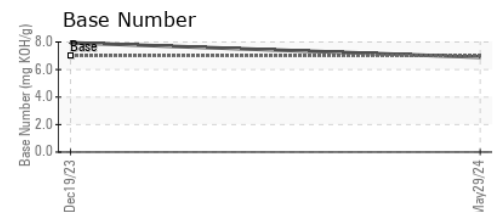
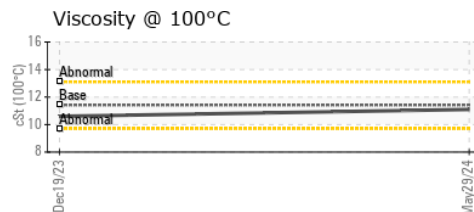
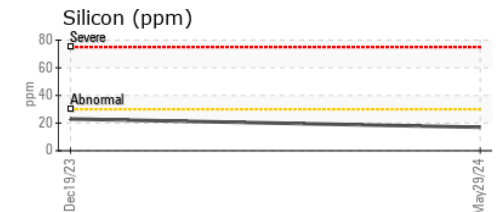
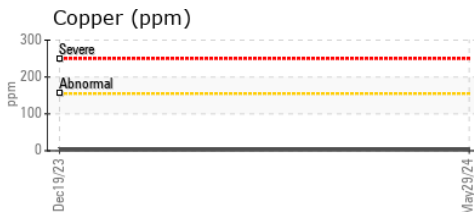
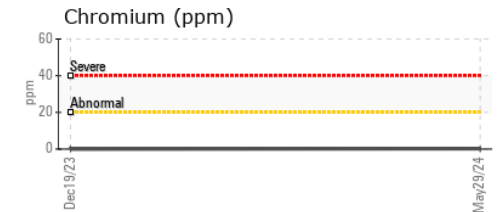
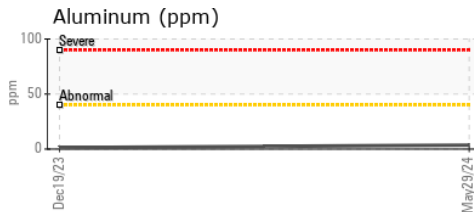
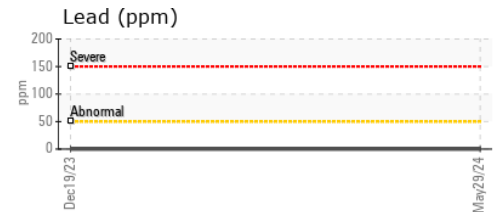
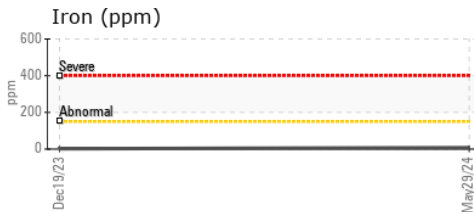


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>21.4</b>	8.1	---
Base Number (BN)	mg KOH/g	ASTM D2896*	7.0	<b>6.89</b>	7.95	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	69.33	<b>72.3</b>	59.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	<b>11.1</b>	10.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	159	<b>144</b>	170	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Petro-Canada Technical/Behshad Sabah**  
**Sample No.** : PC0085516 **Received** : 19 Jun 2024  
**Lab Number** : **02642849** **Tested** : 20 Jun 2024  
**Unique Number** : 5800388 **Diagnosed** : 20 Jun 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

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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