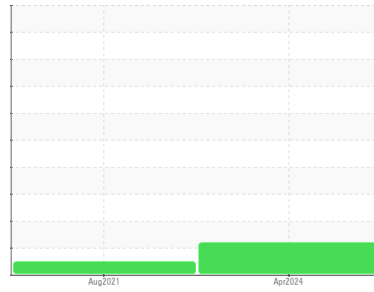




# OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id  
**CA-1043000 H29 (S/N 403)**

Component  
**1 Blower**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 220 (7 LTR)**

## DIAGNOSIS

### Recommendation

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### Wear

Light concentration of visible metal present. Bearing and/or gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0853716</b>	PC0051856	---
Sample Date	Client Info		<b>16 Apr 2024</b>	16 Aug 2021	---
Machine Age	yrs	Client Info	<b>1</b>	6	---
Oil Age	yrs	Client Info	<b>0</b>	1	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m) >20	<b>8</b>	22	---
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >20	<b>1</b>	<1	---
Lead	ppm	ASTM D5185(m) >20	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >20	<b>1</b>	<1	---
Tin	ppm	ASTM D5185(m) >20	<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)	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m) 5.0	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 5.0	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m) 5.0	<b>3</b>	<1	---
Phosphorus	ppm	ASTM D5185(m) 100	<b>92</b>	477	---
Zinc	ppm	ASTM D5185(m) 5.0	<b>7</b>	9	---
Sulfur	ppm	ASTM D5185(m) 1900	<b>1881</b>	107	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

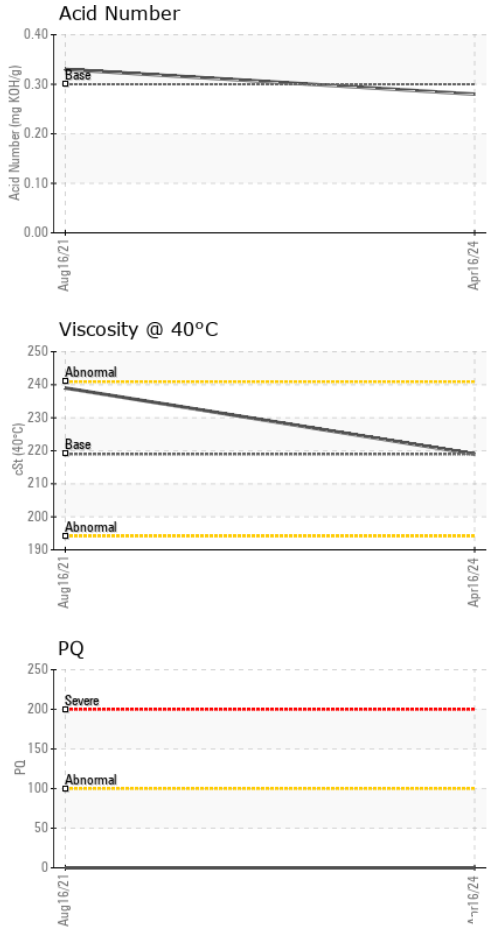
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>9</b>	11	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.3	<b>0.28</b>	0.33	---



# OIL ANALYSIS REPORT



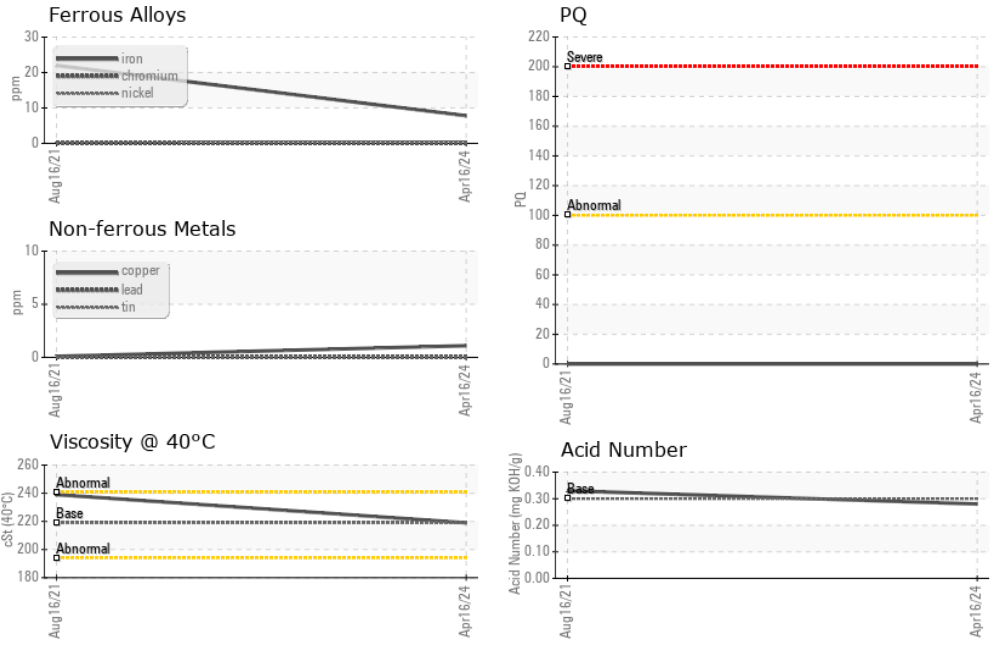
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ LIGHT	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	219	239	---

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0853716      **Received** : 12 Jul 2024  
**Lab Number** : 02647694      **Tested** : 16 Jul 2024  
**Unique Number** : 5813246      **Diagnosed** : 16 Jul 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: Bottom, BottomAnalysis, FILTERPATCH )

**Ardent Mills-Mississauga**  
 27 REID DR.  
 MISSISSAUGA, ON  
 CA L5M 2B1  
 Contact: Michael Deason  
 michael.deason@ardentmills.com

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.