



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[25160]**  
 Machine Id  
**RT-22**  
 Component  
**Blower**  
 Fluid

**PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)**

## RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. **DISCLAIMER:** Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

## WEAR

Iron ppm levels are abnormal. Light concentration of visible metal present. Bearing and/or gear wear is indicated.

## CONTAMINATION

Light concentration of visible dirt/debris present in the oil.

## FLUID CONDITION

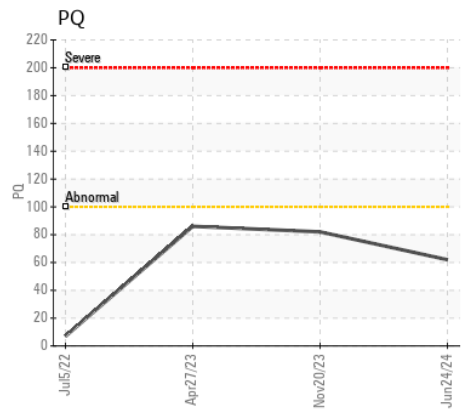
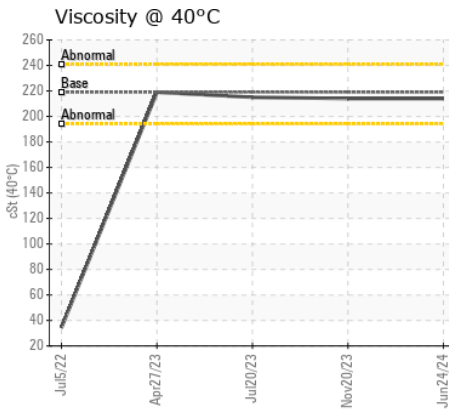
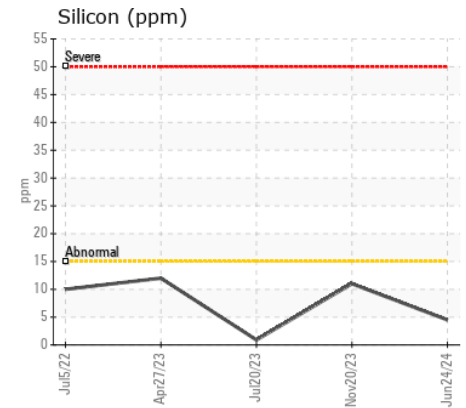
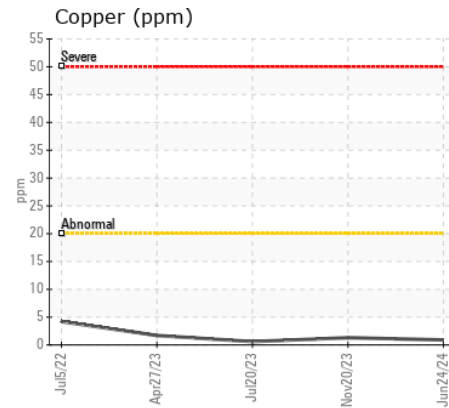
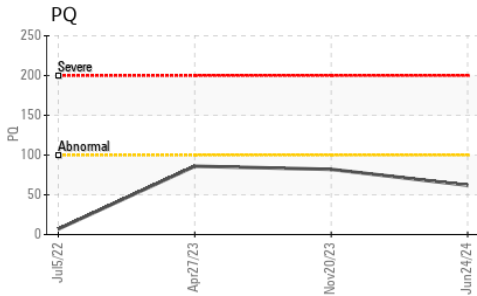
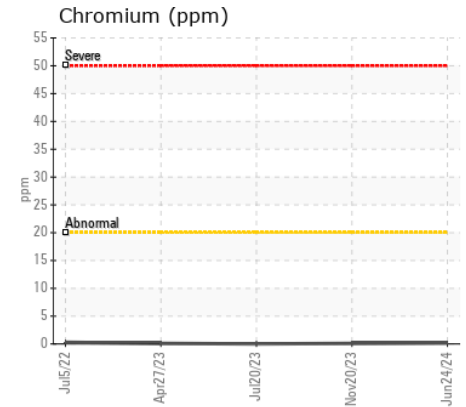
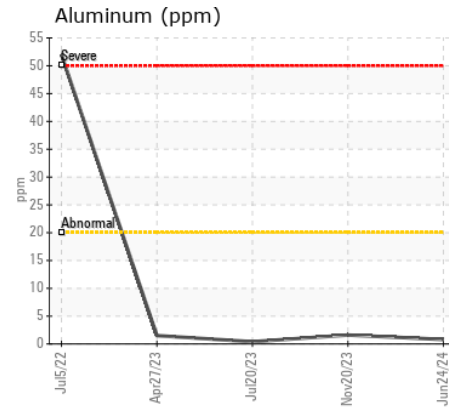
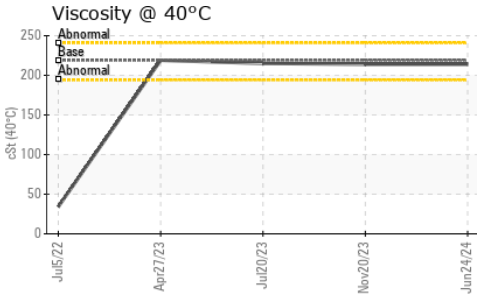
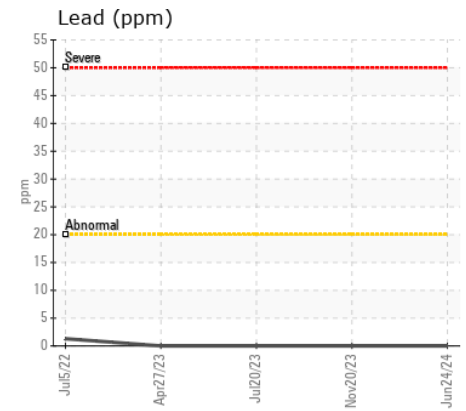
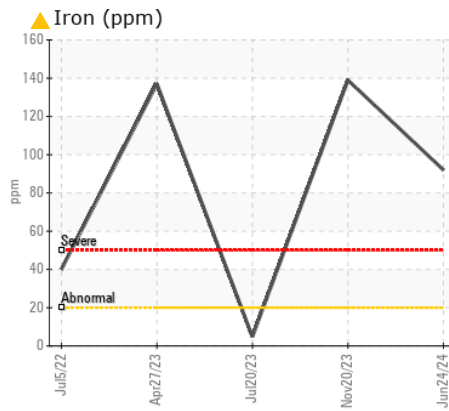
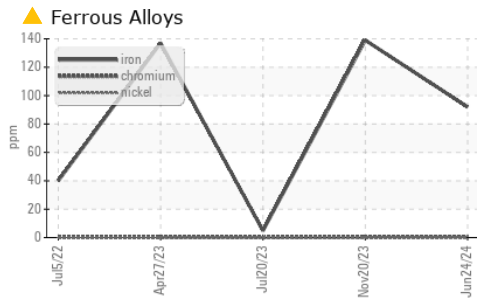
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0941352</b>	WC0876520	WC0817991
Sample Date		Client Info		<b>24 Jun 2024</b>	20 Nov 2023	20 Jul 2023
Machine Age	kms	Client Info		<b>73082</b>	1674	0
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

PQ		ASTM D8184*		<b>62</b>	▲ 82	---
Iron	ppm	ASTM D5185(m)	>20	▲ <b>92</b>	▲ 139	5
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	▲ <b>LIGHT</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>15	<b>4</b>	11	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Water		WC Method		<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	▲ <b>LIGHT</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Boron	ppm	ASTM D5185(m)		<b>2</b>	2	2
Barium	ppm	ASTM D5185(m)	5.0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	5.0	<b>&lt;1</b>	3	<1
Calcium	ppm	ASTM D5185(m)	5.0	<b>3</b>	6	<1
Phosphorus	ppm	ASTM D5185(m)	100	<b>85</b>	73	88
Zinc	ppm	ASTM D5185(m)	5.0	<b>10</b>	2	10
Sulfur	ppm	ASTM D5185(m)	1900	<b>1803</b>	1776	2140
Visc @ 40°C	cSt	ASTM D7279(m)	219	<b>214</b>	214	215



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0941352  
**Lab Number** : 02644240  
**Unique Number** : 5801779  
**Test Package** : MOB 1 ( Additional Tests: BottomAnalysis, FILTERPATCH, PQ )

**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Kevin Marson

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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