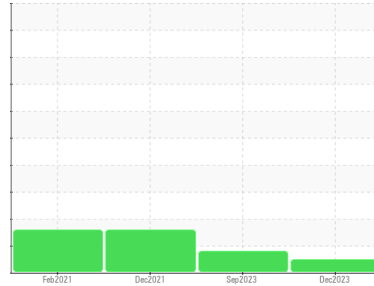


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**GARDNER DENVER P/P VAC (S/N S685303)**

Component  
**Blower**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 220 (--- 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0110400</b>	PCA0098145	PCA0065573
Sample Date	Client Info		<b>22 Dec 2023</b>	06 Sep 2023	15 Dec 2021
Machine Age	mths	Client Info	<b>2</b>	66	3
Oil Age	mths	Client Info	<b>2</b>	12	1
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>22</b>	▲ 126	▲ 219
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	8
Nickel	ppm	ASTM D5185m >20	<b>0</b>	<1	4
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	2	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	0	1
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	8
Barium	ppm	ASTM D5185m 5.0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>2</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m 5.0	<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m 5.0	<b>2</b>	0	23
Phosphorus	ppm	ASTM D5185m 100	<b>126</b>	81	401
Zinc	ppm	ASTM D5185m 5.0	<b>0</b>	0	154
Sulfur	ppm	ASTM D5185m 1900	<b>2182</b>	2653	6023

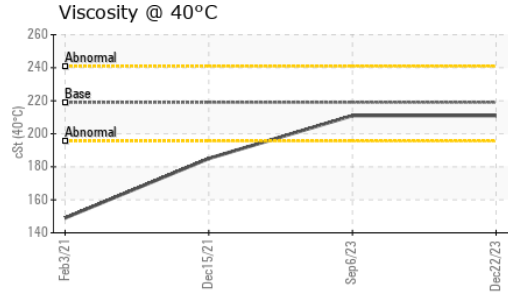
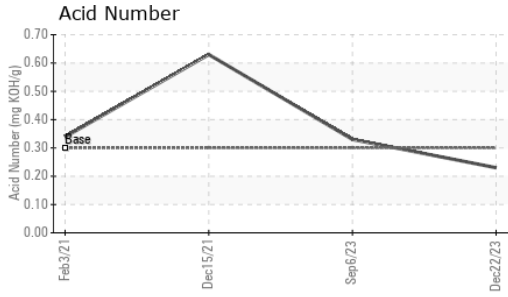
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>&lt;1</b>	4	3
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.3	<b>0.23</b>	0.33	0.63

# OIL ANALYSIS REPORT



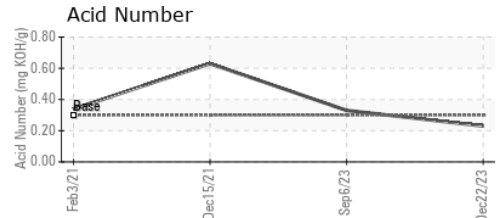
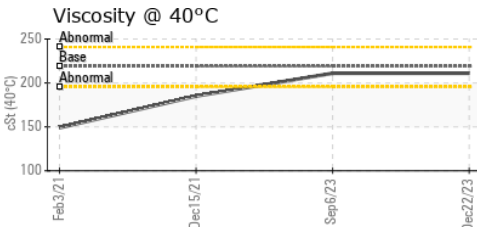
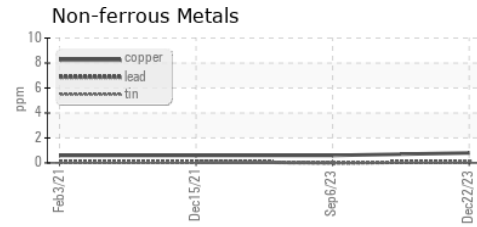
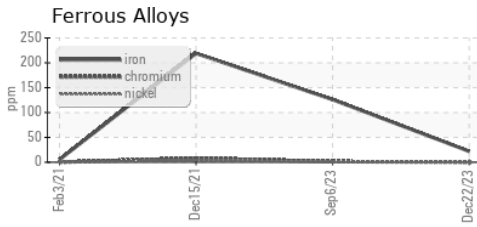
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 219	211	211	185

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image		
Bottom	no image		

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110400 **Recieved** : 18 Jan 2024  
**Lab Number** : 06065083 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 10836465 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CERTAINTED CORP**  
 200 RONTHOR DR  
 SOCIAL CIRCLE, GA  
 US 30025

Contact: MARK KIRKPATRICK  
 MARK.W.KIRKPATRICK@SAINT-GOBAIN.COM

T:  
 F: (770)464-0878

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)