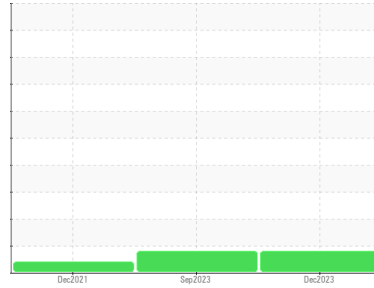


# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Machine Id  
**GARDNER DENVER MW-DC (S/N S405049)**

Component  
**Blower**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 220 (1 GAL)**

## DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

The iron level has decreased, but is still abnormal. All other 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>PCA0110399</b>	PCA0098148	PCA0065575
Sample Date	Client Info		<b>23 Dec 2023</b>	07 Sep 2023	15 Dec 2021
Machine Age	yrs	Client Info	<b>2</b>	2	8
Oil Age	yrs	Client Info	<b>1</b>	2	1
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	MARGINAL

## 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>▲ 40</b>	▲ 218	20
Chromium	ppm	ASTM D5185m >20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m >20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	6	3
Lead	ppm	ASTM D5185m >20	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >20	<b>0</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>	7	7
Barium	ppm	ASTM D5185m 5.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m 5.0	<b>0</b>	2	3
Calcium	ppm	ASTM D5185m 5.0	<b>0</b>	0	20
Phosphorus	ppm	ASTM D5185m 100	<b>94</b>	309	347
Zinc	ppm	ASTM D5185m 5.0	<b>6</b>	0	173
Sulfur	ppm	ASTM D5185m 1900	<b>2339</b>	4992	6873

## CONTAMINANTS

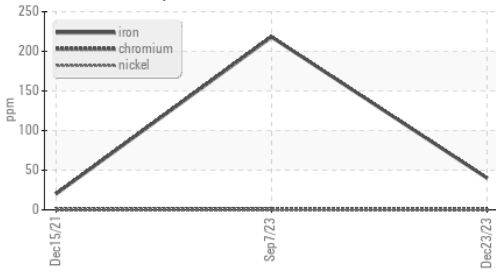
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>0</b>	3	1
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	<1

## FLUID DEGRADATION

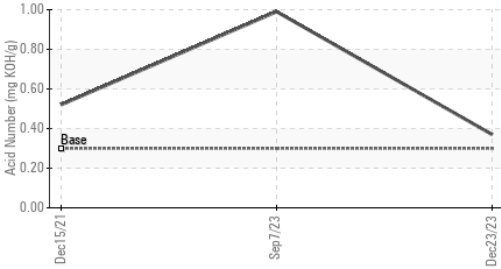
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.3	<b>0.37</b>	0.99	0.52

# OIL ANALYSIS REPORT

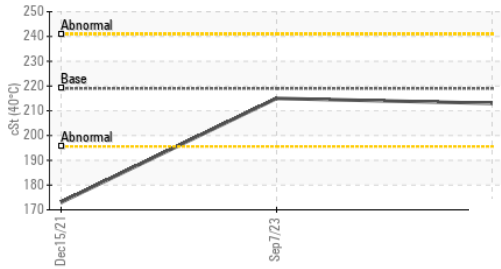
**▲ Ferrous Alloys**



**Acid Number**



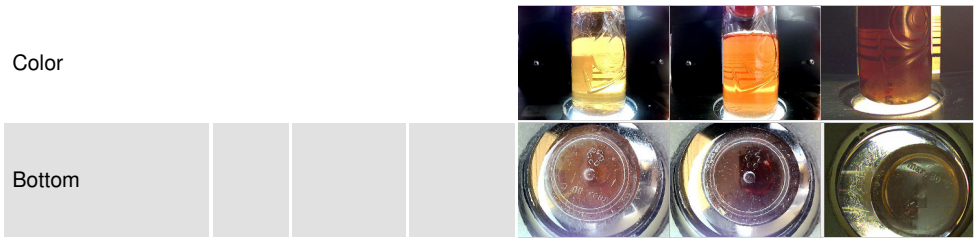
**Viscosity @ 40°C**



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
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

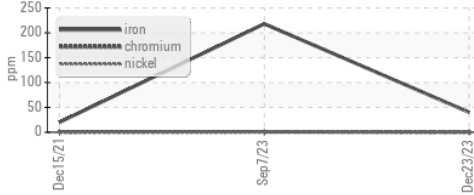
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 219	213	215	▲ 173

**SAMPLE IMAGES**

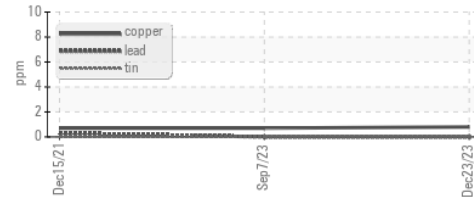


**GRAPHS**

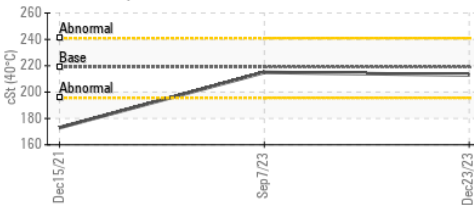
**▲ Ferrous Alloys**



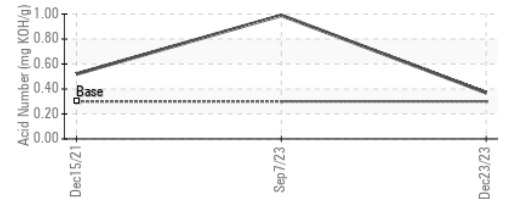
**Non-ferrous Metals**



**Viscosity @ 40°C**



**Acid Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110399 **Recieved** : 11 Jan 2024  
**Lab Number** : 06058263 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10829645 **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

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 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)