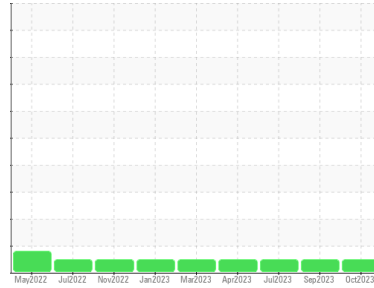




Machine Id  
**GARDNER DENVER COMP 2 (S/N 5507711)**

Component  
**2 Compressor**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 68 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
Resample at the next service interval to monitor.

**Wear**  
All component wear rates are normal.

**Contamination**  
The water content is negligible. 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>PC0080820</b>	PC0070460	PC0070470
Sample Date	Client Info	<b>31 Oct 2023</b>	07 Sep 2023	12 Jul 2023
Machine Age	hrs Client Info	<b>34403</b>	33305	32200
Oil Age	hrs Client Info	<b>1552</b>	2788	4906
Oil Changed	Client Info	<b>Changed</b>	Changed	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

**WEAR METALS** method limit/base current history1 history2

PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm ASTM D5185(m)	>50	<b>&lt;1</b>	1	<1
Chromium	ppm ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m)		<b>0</b>	<1	0
Titanium	ppm ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm ASTM D5185(m)	>25	<b>0</b>	0	0
Copper	ppm ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m)	>15	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm ASTM D5185(m)		<b>0</b>	0	0

**ADDITIVES** method limit/base current history1 history2

Boron	ppm ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Barium	ppm ASTM D5185(m)	5.0	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m)	5.0	<b>0</b>	0	0
Calcium	ppm ASTM D5185(m)	5.0	<b>0</b>	<1	<1
Phosphorus	ppm ASTM D5185(m)	100	<b>49</b>	64	76
Zinc	ppm ASTM D5185(m)	5.0	<b>&lt;1</b>	2	2
Sulfur	ppm ASTM D5185(m)	1900	<b>1116</b>	1404	1283
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	<1	<1

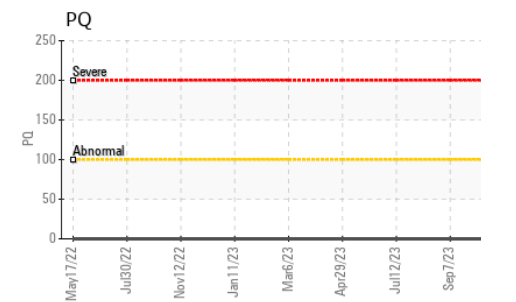
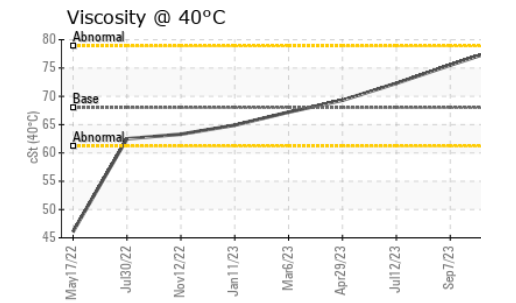
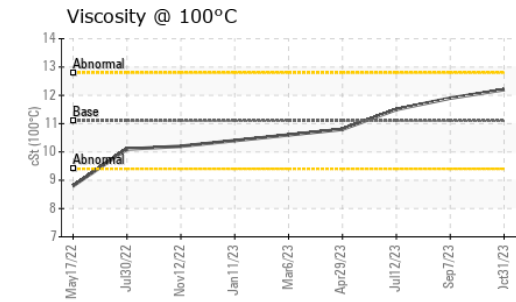
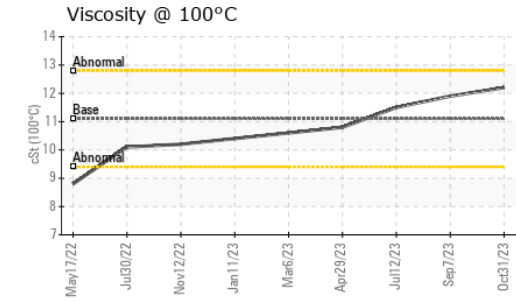
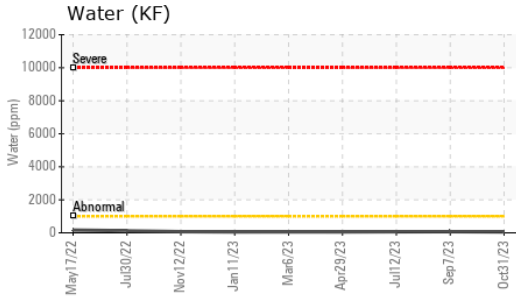
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>25	<b>0</b>	<1	<1
Sodium	ppm ASTM D5185(m)		<b>&lt;1</b>	0	0
Potassium	ppm ASTM D5185(m)	>20	<b>0</b>	0	<1
Water	% ASTM D6304*	>0.1	<b>0.005</b>	0.007	0.006
ppm Water	ppm ASTM D6304*	>1000	<b>55.1</b>	70.7	63.7

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*	0.3	<b>0.27</b>	0.25	0.30
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# OIL ANALYSIS REPORT

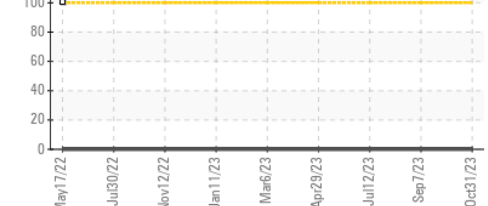
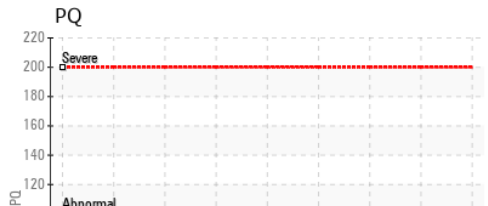
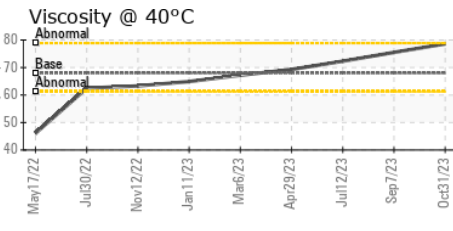
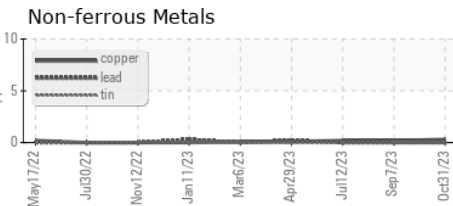
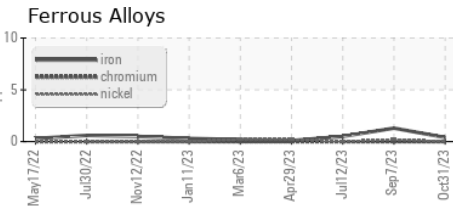


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	75.5	72.3
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	11.9	11.5
Viscosity Index (VI)	Scale	ASTM D2270*	155	153	152

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0080820  
**Lab Number** : 02594649  
**Unique Number** : 5671728  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, VI )  
**Received** : 07 Nov 2023  
**Diagnosed** : 08 Nov 2023  
**Diagnostician** : Wes Davis

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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