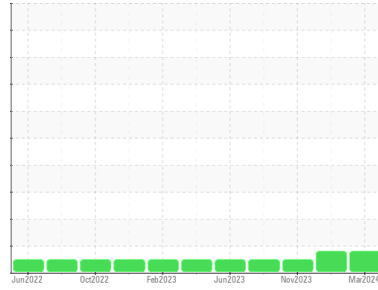


Machine Id  
**COMP 3 (S/N 5508373)**

Component  
**3 Compressor**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 68 (50 mL)**



**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**

Viscosity of sample indicates oil is within ISO 100 range, advise investigate. 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>PC0080812</b>	PC0080818	PC0080822
Sample Date	Client Info		<b>10 Mar 2024</b>	15 Jan 2024	12 Nov 2023
Machine Age	hrs	Client Info	<b>38050</b>	37079	36026
Oil Age	hrs	Client Info	<b>2006</b>	3659	5118
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >50	<b>0</b>	0	0
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	<1
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>	<1	<1
Barium	ppm	ASTM D5185(m) 5.0	<b>0</b>	0	<1
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>15</b>	10	11
Zinc	ppm	ASTM D5185(m) 5.0	<b>2</b>	2	2
Sulfur	ppm	ASTM D5185(m) 1900	<b>1408</b>	1441	1496
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

**CONTAMINANTS**

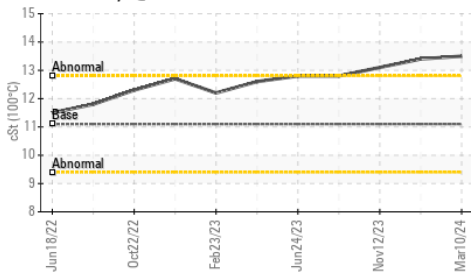
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	<1
Water	%	ASTM D6304* >0.1	<b>0.003</b>	0.002	0.003
ppm Water	ppm	ASTM D6304* >1000	<b>28</b>	25	26

**FLUID DEGRADATION**

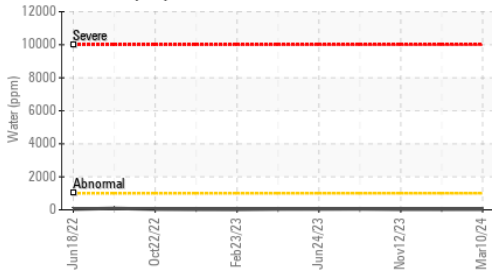
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.3	<b>0.24</b>	0.21	0.16

# OIL ANALYSIS REPORT

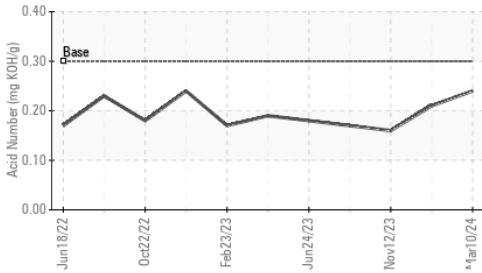
▲ Viscosity @ 100°C



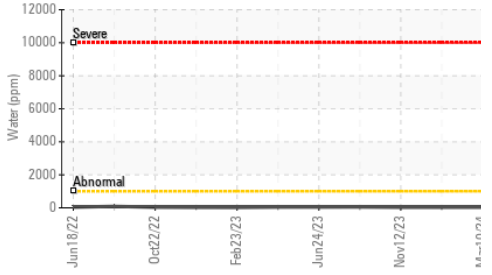
Water (KF)



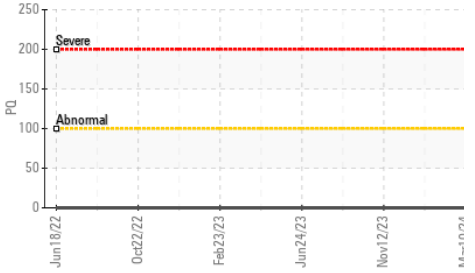
Acid Number



Water (KF)



PQ



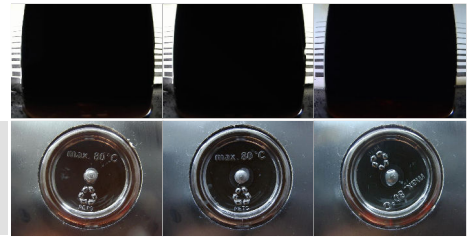
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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 ▲ 89.0	▲ 87.3	85.1
Visc @ 100°C	cSt	ASTM D7279(m)	11.1 ▲ 13.5	▲ 13.4	13.1
Viscosity Index (VI)	Scale	ASTM D2270*	155	155	154

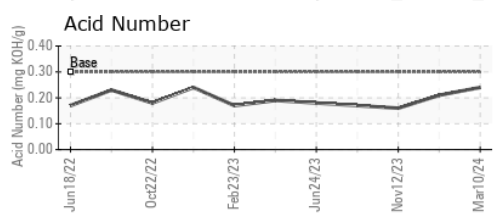
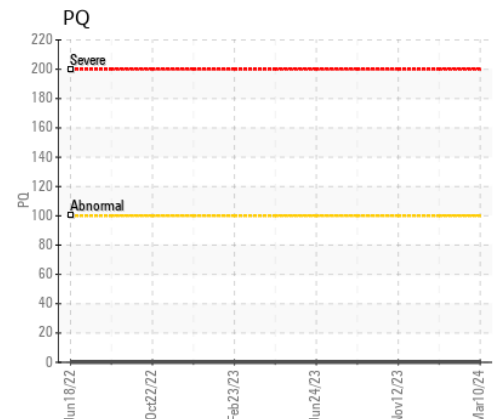
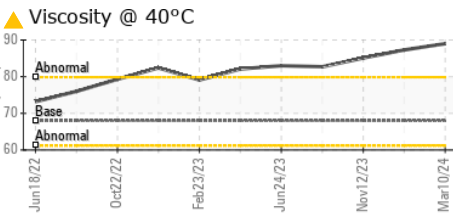
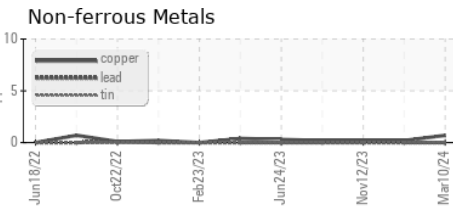
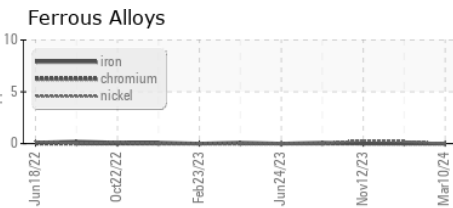
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0080812  
**Lab Number** : 02622359  
**Unique Number** : 5747478  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, TAN Man, VI )  
**Received** : 15 Mar 2024  
**Tested** : 15 Mar 2024  
**Diagnosed** : 17 Mar 2024 - Kevin Marson

**Powercor Manufacturing - Linamar**  
 545 Elmira Road  
 Guelph, ON  
 CA N1K 1C2  
 Contact: Manthan Rathi  
 manthan.rathi@linamar.com  
 T: (226)326-0125  
 F: (226)326-0124

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.