



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

Machine Id  
**20007971 - CAKE FREEZER (S/N 407593)**

Component  
**Gearbox**

Fluid  
**PETRO CANADA PURITY FG SYN GEAR ISO 220 (28 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0058602</b>	PC0058603	PC0058599
Sample Date		Client Info		<b>14 Apr 2024</b>	24 Oct 2023	21 Apr 2023
Machine Age	hrs	Client Info		<b>96000</b>	89000	22000
Oil Age	hrs	Client Info		<b>6000</b>	5000	4000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>200	<b>177</b>	133	105
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>15	<b>1</b>	<1	1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

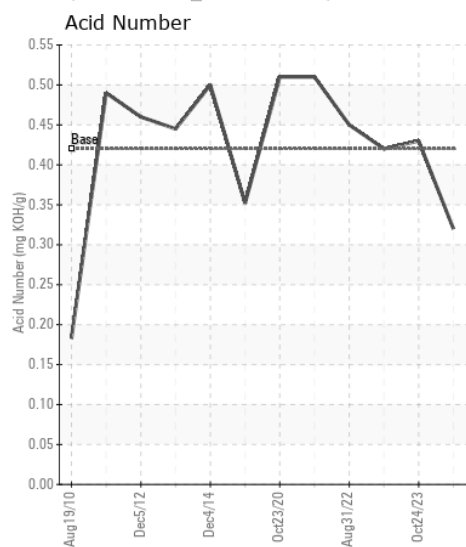
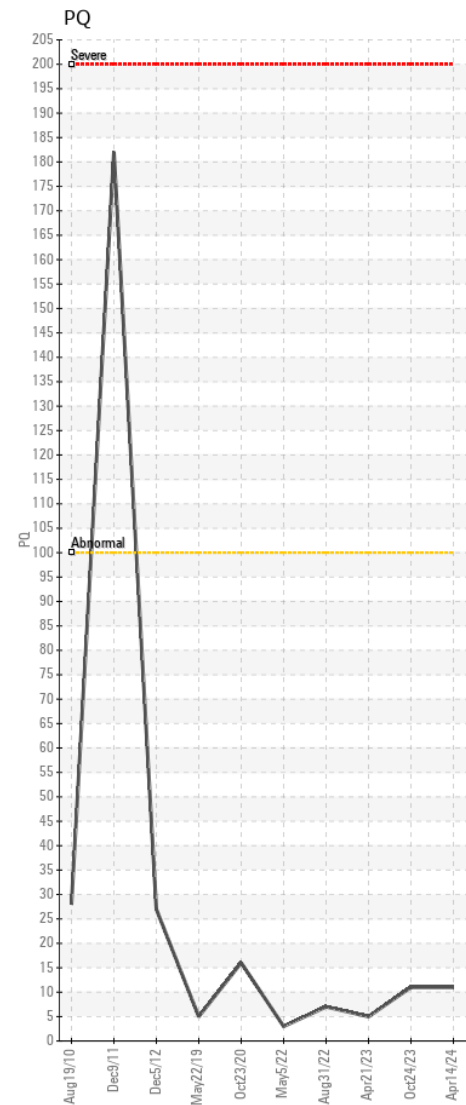
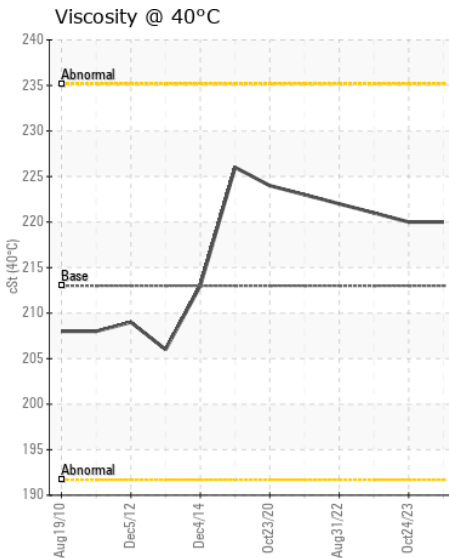
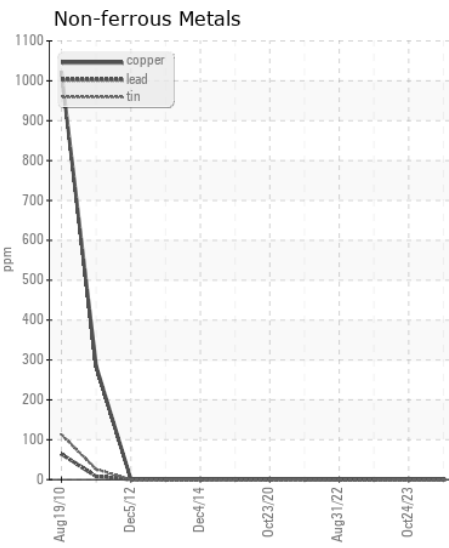
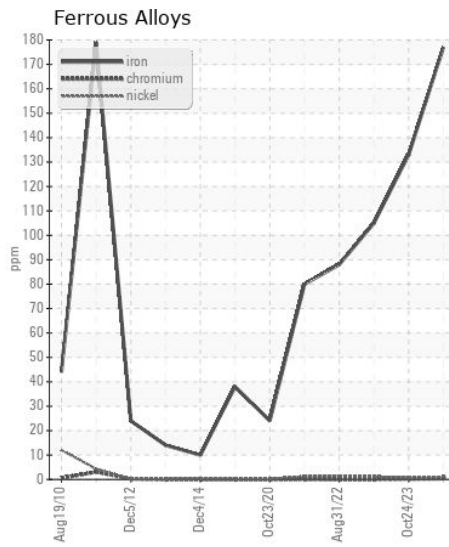
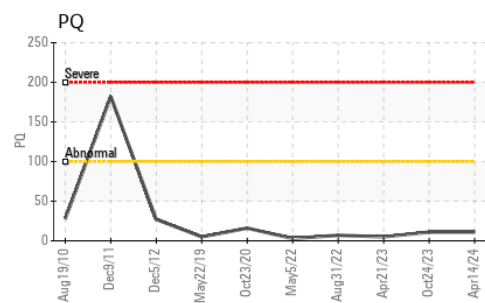
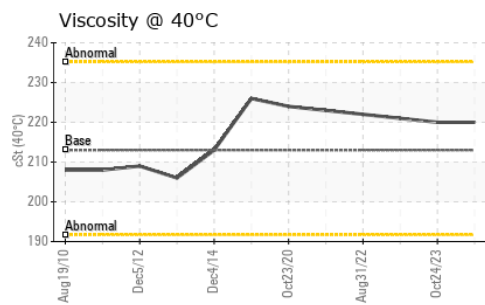
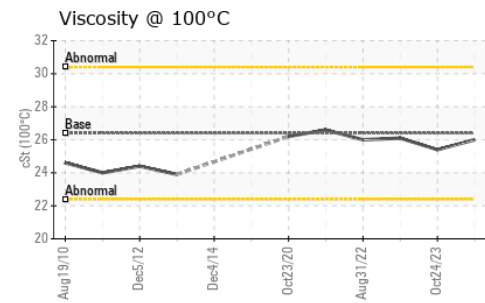
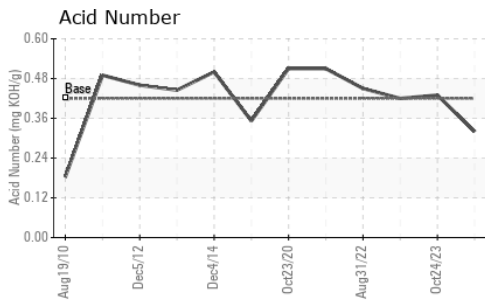
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>9</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	.2%	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>6</b>	5	3
Boron	ppm	ASTM D5185(m)		<b>2</b>	2	1
Barium	ppm	ASTM D5185(m)		<b>2</b>	2	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>2</b>	<1	1
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>4</b>	4	2
Phosphorus	ppm	ASTM D5185(m)		<b>548</b>	535	614
Zinc	ppm	ASTM D5185(m)		<b>4</b>	3	3
Sulfur	ppm	ASTM D5185(m)		<b>531</b>	1076	924
Acid Number (AN)	mg KOH/g	ASTM D974*	0.42	<b>0.32</b>	0.43	0.42
Visc @ 40°C	cSt	ASTM D7279(m)	213	<b>220</b>	220	221
Visc @ 100°C	cSt	ASTM D7279(m)	26.4	<b>26.0</b>	25.4	26.1
Viscosity Index (VI)	Scale	ASTM D2270*	158	<b>150</b>	146	150



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0058602 **Received** : 15 Apr 2024  
**Lab Number** : **02629014** **Tested** : 16 Apr 2024  
**Unique Number** : 5762146 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

**MCCAIN FOODS-FLORENCEVILLE**  
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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.