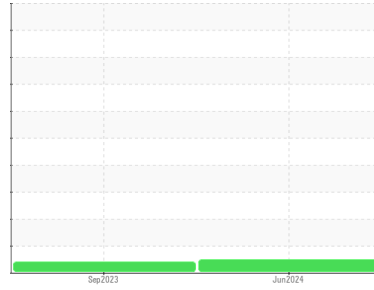


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**SILO #25**  
Component  
**Gearbox**

Fluid  
**PETRO CANADA ENDURATEX EP 220 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### 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>PC0087800</b>	PC0077108	---
Sample Date	Client Info			<b>25 Jun 2024</b>	11 Sep 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

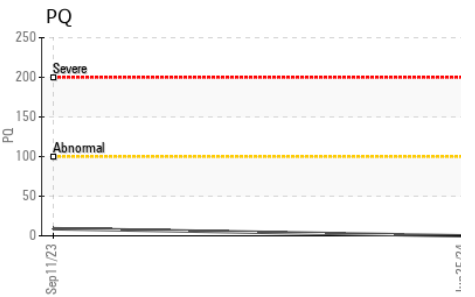
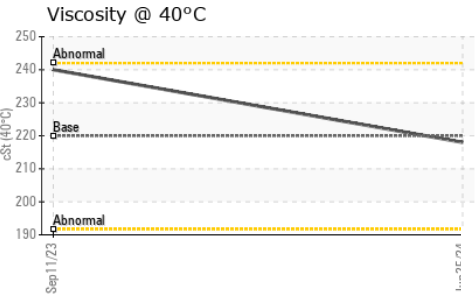
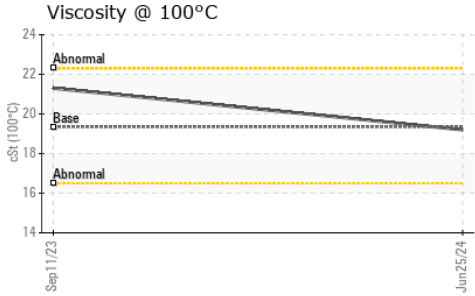
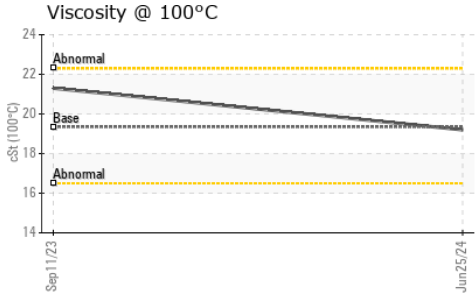
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	9	---
Iron	ppm	ASTM D5185(m)	>200	<b>41</b>	149	---
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	60	<b>4</b>	3	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	4	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	---
Calcium	ppm	ASTM D5185(m)	0	<b>4</b>	11	---
Phosphorus	ppm	ASTM D5185(m)	270	<b>162</b>	270	---
Zinc	ppm	ASTM D5185(m)	0	<b>24</b>	43	---
Sulfur	ppm	ASTM D5185(m)	11200	<b>6922</b>	9894	---
Lithium	ppm	ASTM D5185(m)		<b>3</b>	▲ 27	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>8</b>	16	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.40	<b>0.39</b>	0.35	---

# OIL ANALYSIS REPORT







VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>218</b>	240
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	<b>19.2</b>	21.3
Viscosity Index (VI)	Scale	ASTM D2270*	99	<b>99</b>	105

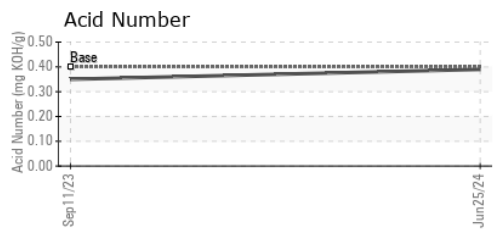
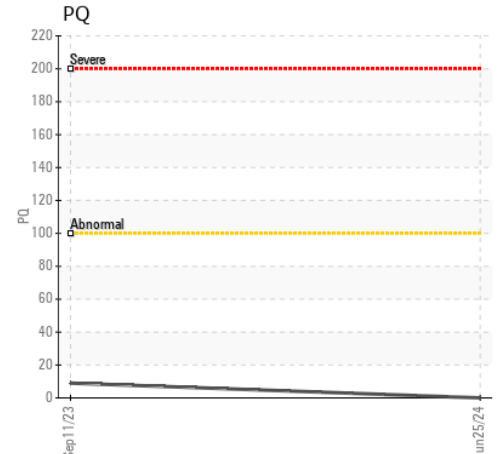
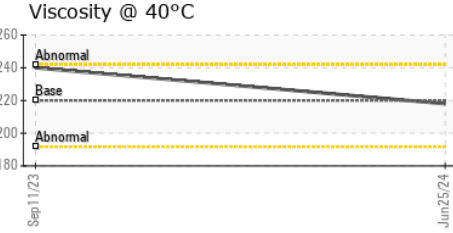
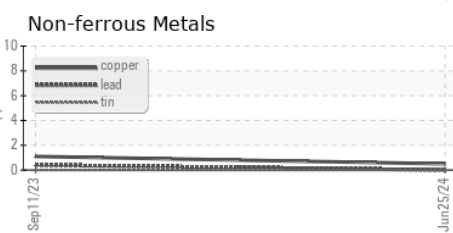
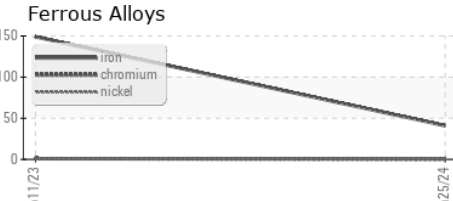
### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0087800      **Received** : 11 Jul 2024  
**Lab Number** : **02647436**      **Tested** : 11 Jul 2024  
**Unique Number** : 5812988      **Diagnosed** : 11 Jul 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

**SAPUTO FOODS LTD**  
 284 HOPE STREET WEST  
 TAVISTOCK, ON  
 CA N0B 2R0  
 Contact: Joseph Ross  
 joseph.ross@saputo.com  
 T: (519)655-2337  
 F: (519)655-3449

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.