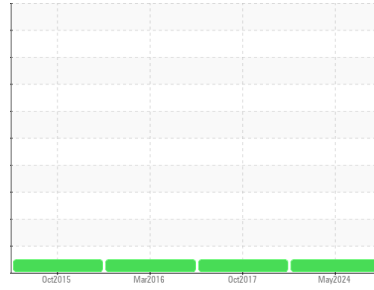


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**WHEY PLANT RECIP NH3 COMPRESSOR #6 (S/N 06380)**  
Component  
**Reciprocating Compressor**  
Fluid  
**TRIBOSPEC FRIGOSPEC ISO 68 (20 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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>PC0080978</b>	PC385732	PC381857
Sample Date	Client Info			<b>01 May 2024</b>	15 Oct 2017	09 Mar 2016
Machine Age	hrs	Client Info		<b>2993</b>	0	1523
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

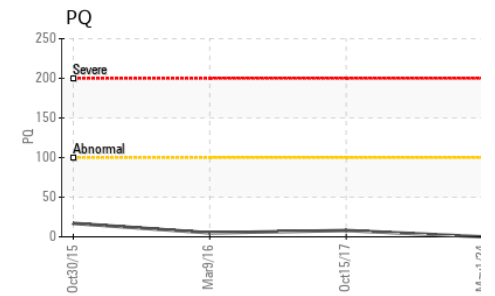
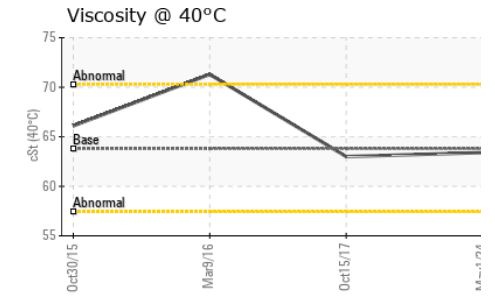
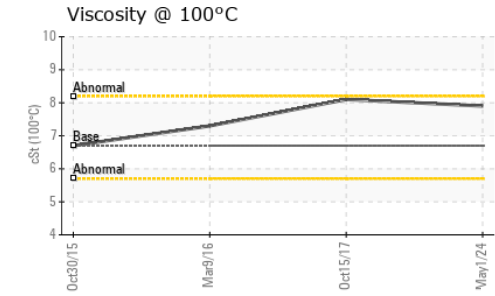
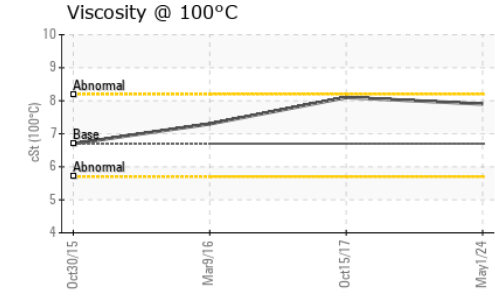
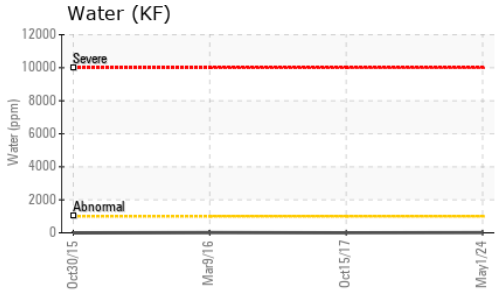
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	8	5
Iron	ppm	ASTM D5185(m)	>50	<b>22</b>	5	12
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>11</b>	<1	5
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<b>12</b>	4	12
Tin	ppm	ASTM D5185(m)	>15	<b>4</b>	<1	3
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	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185(m)		<b>1</b>	0	<1
Zinc	ppm	ASTM D5185(m)		<b>7</b>	<1	7
Sulfur	ppm	ASTM D5185(m)		<b>72</b>	802	194
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>4</b>	<1	<1
Sodium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304*	>0.1	<b>0.001</b>	0.00	0.001
ppm Water	ppm	ASTM D6304*	>1000	<b>13</b>	0.00	15.5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.01</b>	0.009	0.027

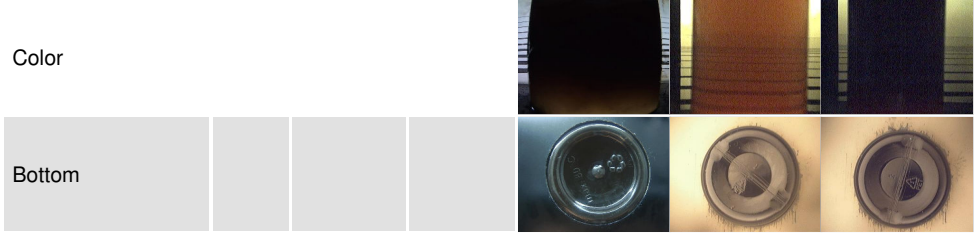
# OIL ANALYSIS REPORT



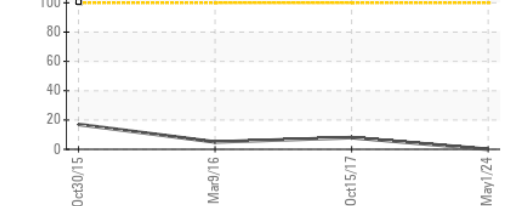
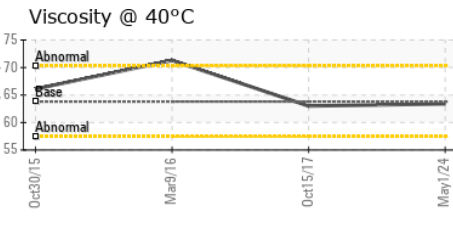
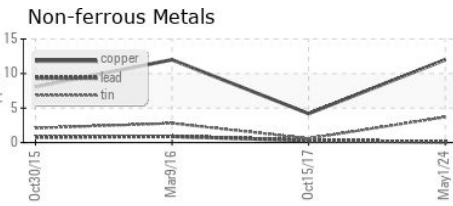
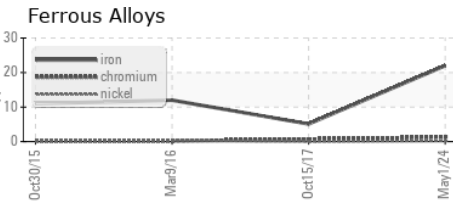
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	AMMON	AMMON
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)	63.8	63.4	63.0
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.9	8.1
Viscosity Index (VI)	Scale	ASTM D2270*		87	94

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0080978 **Received** : 13 Jun 2024  
**Lab Number** : 02641745 **Tested** : 14 Jun 2024  
**Unique Number** : 5799284 **Diagnosed** : 14 Jun 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, 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.