



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

Machine Id  
**COMPRESSOR #4, PACKAGING, NH (S/N E0405)**  
 Component  
**Rotary Compressor**  
 Fluid  
**PETRO CANADA REFLO 68A AMMONIA OIL (35 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0087798</b>	PC0035332	PC0010126
Sample Date		Client Info		<b>15 May 2024</b>	20 Nov 2020	18 Oct 2019
Machine Age	hrs	Client Info		<b>101373</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>70	<b>0</b>	3	4
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>3	<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**

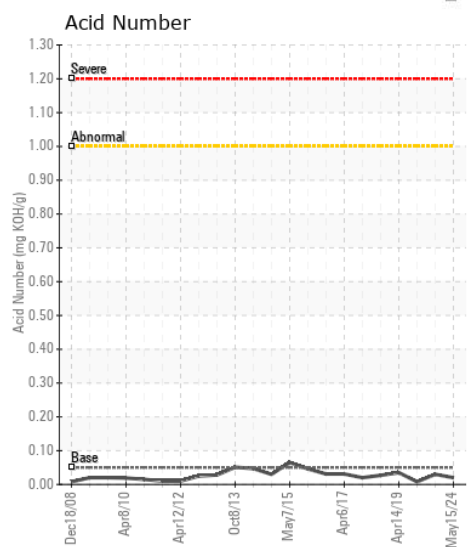
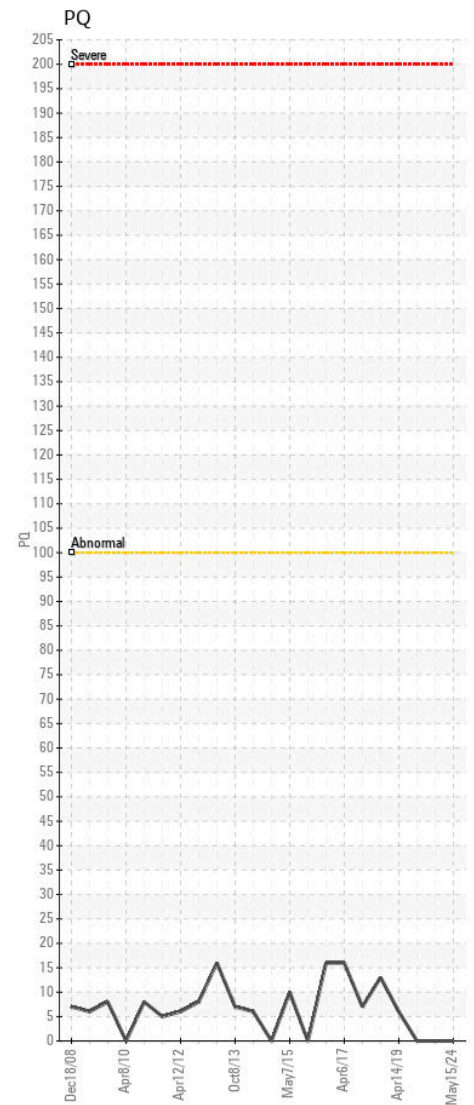
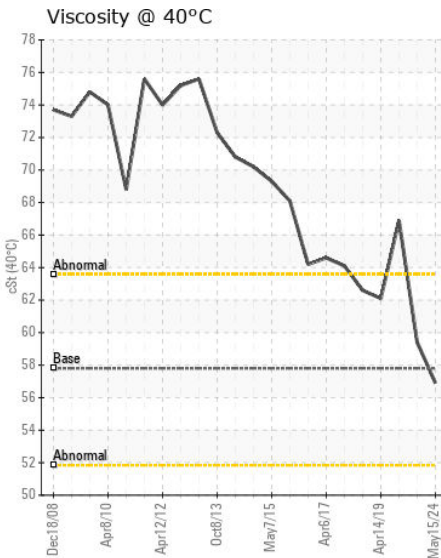
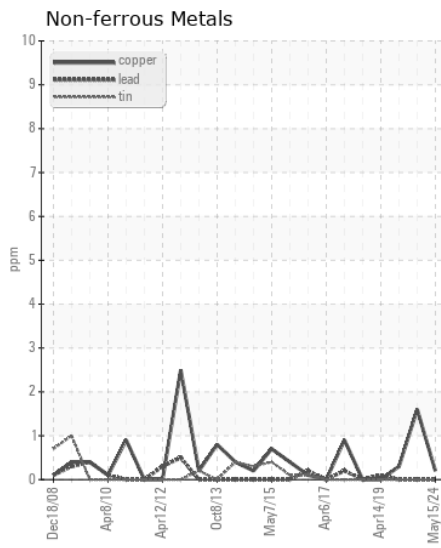
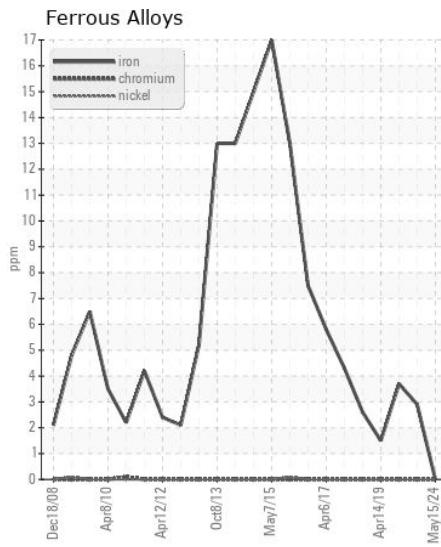
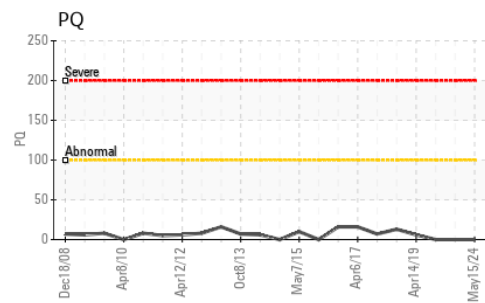
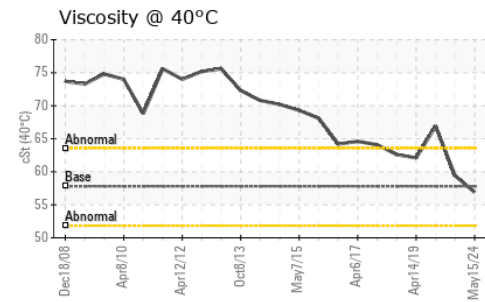
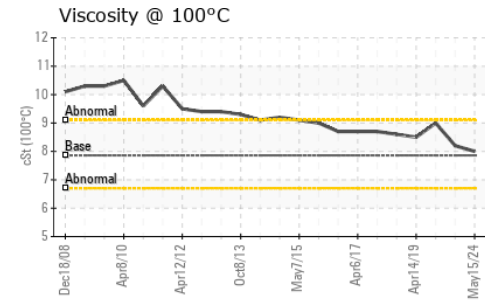
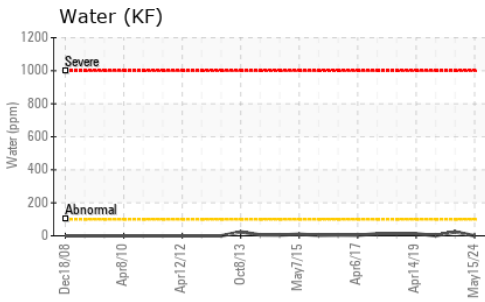
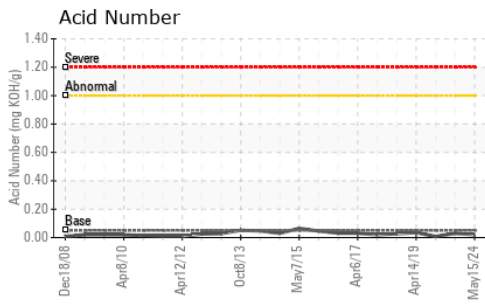
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>45	<b>3</b>	<1	3
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Water	%	ASTM D6304*	>0.6	<b>0.00</b>	0.002	0.000
ppm Water	ppm	ASTM D6304*		<b>0</b>	24.1	0.7
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	<b>NEG</b>	NEG	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>&lt;1</b>	<1	0
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)	0	<b>2</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)	0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m)	0	<b>0</b>	7	<1
Phosphorus	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	0
Zinc	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	2	2
Sulfur	ppm	ASTM D5185(m)	0	<b>8</b>	90	17
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	<b>0.02</b>	0.03	0.008
Visc @ 40°C	cSt	ASTM D7279(m)	57.8	<b>56.9</b>	59.4	66.9
Visc @ 100°C	cSt	ASTM D7279(m)	7.86	<b>8.0</b>	8.2	9.0
Viscosity Index (VI)	Scale	ASTM D2270*	101	<b>107</b>	106	109



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0087798 **Received** : 13 Jun 2024  
**Lab Number** : 02641746 **Tested** : 14 Jun 2024  
**Unique Number** : 5799285 **Diagnosed** : 14 Jun 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, TAN Man, VI )

**SAPUTO FOODS LTD**  
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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.