



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id  
**COPELAND FORT HEALTHCARE CH 2 CIRC 2 (S/N STNU0712000182)**

Component  
**Refrigeration Compressor**

Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

There is a trace of moisture present in the oil.

**FLUID CONDITION**

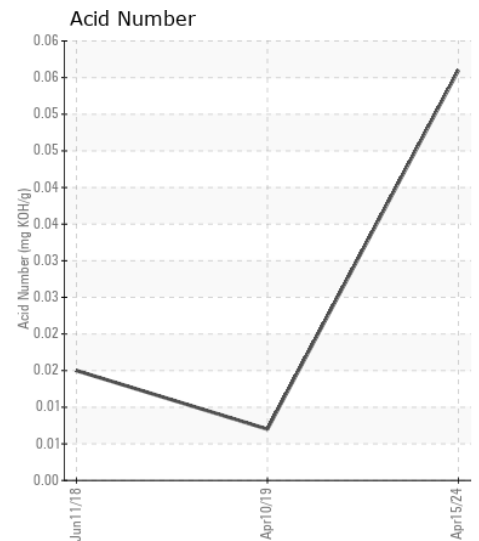
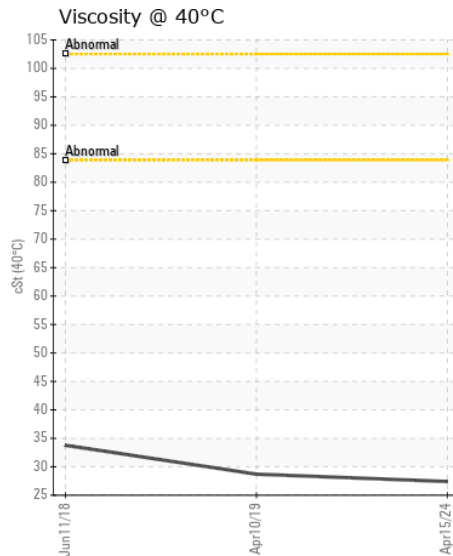
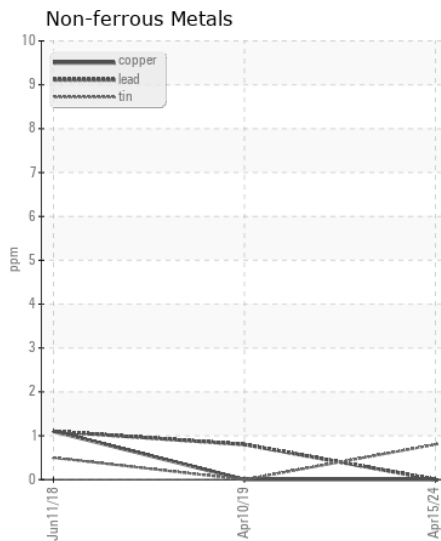
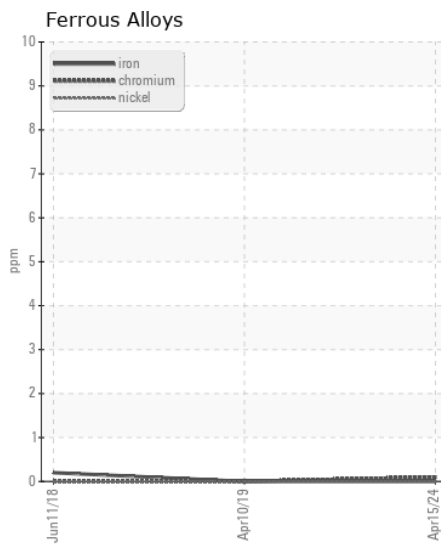
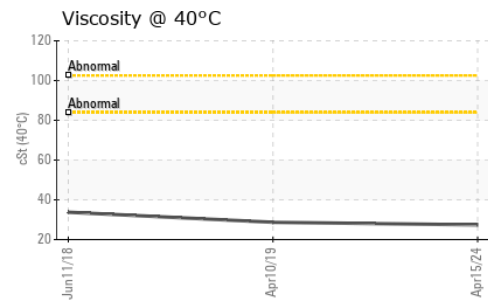
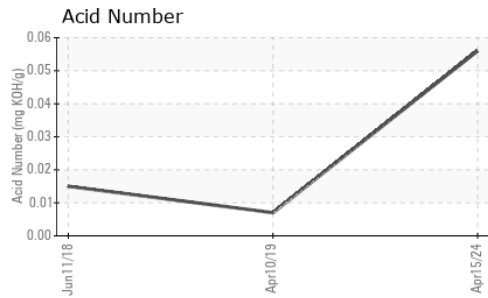
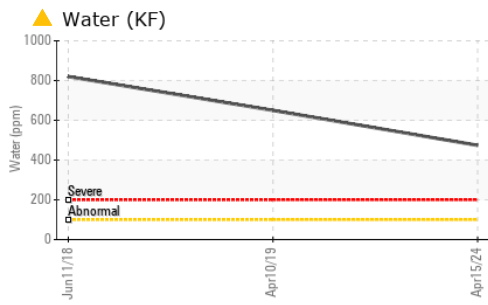
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0730388</b>	WCI2334299	WCI2315682
Sample Date		Client Info		<b>15 Apr 2024</b>	10 Apr 2019	11 Jun 2018
Machine Age	yrs	Client Info		<b>0</b>	8	7
Oil Age	yrs	Client Info		<b>0</b>	1	7
Filter Age	yrs	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>MARGINAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>8	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>2	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>8	<b>0</b>	0	1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<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

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	>0.01	<b>▲ 0.047</b>	▲ 0.065	▲ 0.082
ppm Water	ppm	ASTM D6304	>100	<b>▲ 474</b>	▲ 650	▲ 820
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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	>0.01	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	<1	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m		<b>208</b>	<1	1
Zinc	ppm	ASTM D5185m		<b>0</b>	0	<1
Sulfur	ppm	ASTM D5185m		<b>0</b>	0	4
Acid Number (AN)	mg KOH/g	ASTM D974		<b>0.056</b>	0.007	0.015
Visc @ 40°C	cSt	ASTM D445		<b>27.4</b>	28.7	33.77



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0730388

Lab Number : 06157745

Unique Number : 10993168

Test Package : IND 2

Received : 23 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 25 Apr 2024 - Jonathan Hester

**NORTH AMERICAN MECHANICAL**

4401 STATE RD 19

WINDSOR, WI

US 53598

Contact: STACEY QUAM

squam@naminc.com

T: (608)240-8906

F: (608)240-8965

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)