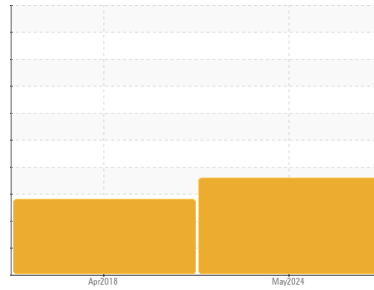




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
TRANE CFCC NA CHILLER 1 CIRC 2 (S/N U02003601)
 Component
Refrigeration Compressor
 Fluid
TRANE 0048 (3 GAL)

DIAGNOSIS

▲ Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

▲ Wear

The iron level is abnormal.

▲ Contamination

There is a trace of moisture present in the oil.

▲ Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0801209	WCI2310817	---
Sample Date	Client Info		13 May 2024	20 Apr 2018	---
Machine Age	hrs	Client Info	0	38248	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	▲ 22	<1	---
Chromium	ppm	ASTM D5185m >2	<1	0	---
Nickel	ppm	ASTM D5185m	0	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >3	0	0	---
Lead	ppm	ASTM D5185m >2	0	0	---
Copper	ppm	ASTM D5185m >8	<1	<1	---
Tin	ppm	ASTM D5185m >4	6	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<1	4	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m 0	<1	0	---
Magnesium	ppm	ASTM D5185m 0	0	0	---
Calcium	ppm	ASTM D5185m 0	0	0	---
Phosphorus	ppm	ASTM D5185m 5	3	2	---
Zinc	ppm	ASTM D5185m 0	30	12	---
Sulfur	ppm	ASTM D5185m 10	0	0	---

CONTAMINANTS

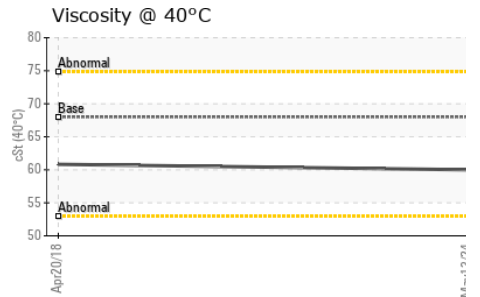
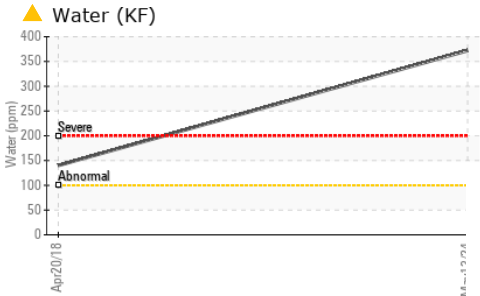
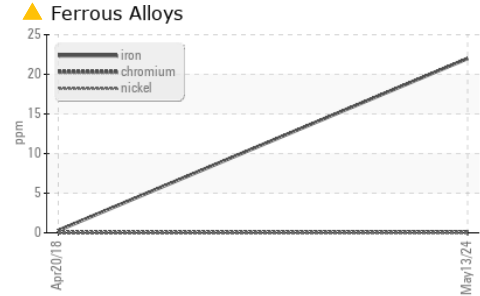
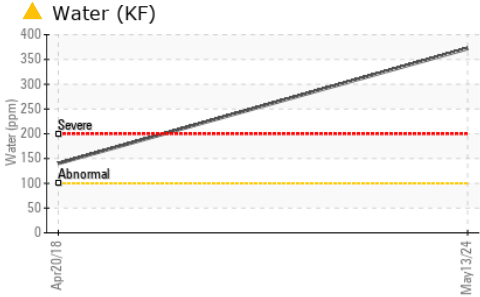
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	1	7	---
Sodium	ppm	ASTM D5185m	<1	0	---
Potassium	ppm	ASTM D5185m >20	<1	0	---
Water	%	ASTM D6304 >0.01	▲ 0.037	▲ 0.014	---
ppm Water	ppm	ASTM D6304 >100	▲ 372	▲ 140	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974 0.09	▲ 0.154	▲ 0.304	---





OIL ANALYSIS REPORT



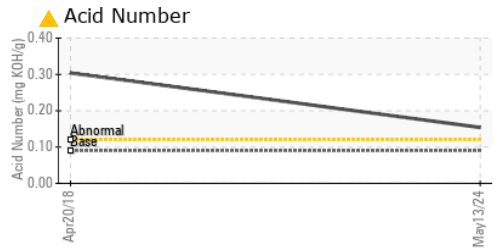
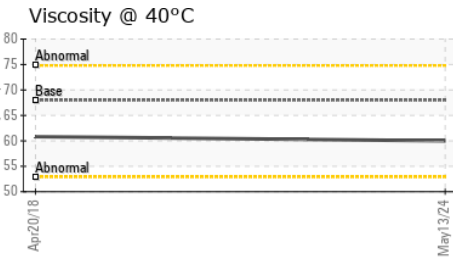
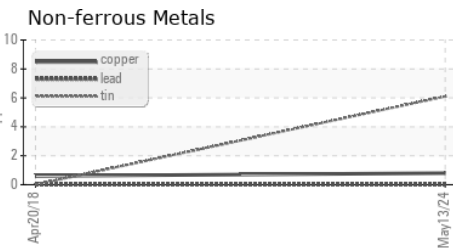
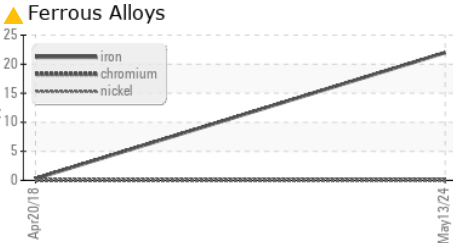
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68	60.0	60.83	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0801209 **Received** : 17 Jun 2024
Lab Number : 06211750 **Tested** : 18 Jun 2024
Unique Number : 11084614 **Diagnosed** : 20 Jun 2024 - Jonathan Hester
Test Package : IND 2

SCHNEIDER ELECTRIC
 PO DRAWER 185
 MORRISVILLE, NC
 US 27560
 Contact: MARK SORRELL
 mark.sorrell@se.com
 T: (919)467-0106
 F: (919)467-7466

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)