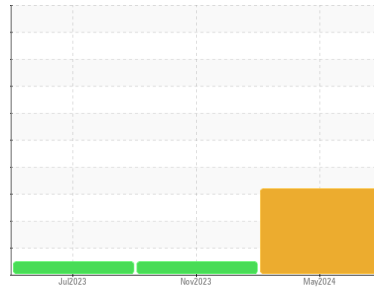




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

SULLUBE

Machine Id

SULLAIR 003-134655 - CAPITAL CLOSET DESIGN

Component

Compressor

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

Elemental level of silicon (Si) above normal. There is a moderate concentration of water present 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		UCH06194181	UCH06024646	UCH05911327
Sample Date	Client Info		21 May 2024	30 Nov 2023	25 Jul 2023
Machine Age	hrs	Client Info	63769	627621	619423
Oil Age	hrs	Client Info	1	8000	0
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	0	0
Chromium	ppm	ASTM D5185m >10	<1	0	0
Nickel	ppm	ASTM D5185m	<1	0	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	1	0	0
Aluminum	ppm	ASTM D5185m >25	2	1	0
Lead	ppm	ASTM D5185m >25	<1	0	0
Copper	ppm	ASTM D5185m >50	<1	<1	0
Tin	ppm	ASTM D5185m >15	<1	0	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m 745	1283	235	714
Molybdenum	ppm	ASTM D5185m 0.0	<1	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 0.0	1	0	0
Calcium	ppm	ASTM D5185m 1	0	0	0
Phosphorus	ppm	ASTM D5185m 3	3	20	11
Zinc	ppm	ASTM D5185m 0.1	0	0	7
Sulfur	ppm	ASTM D5185m 240	372	301	341

CONTAMINANTS

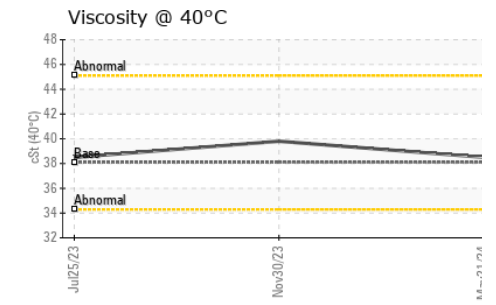
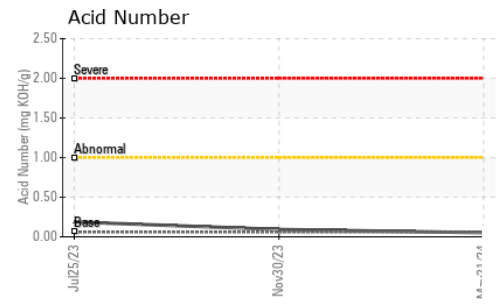
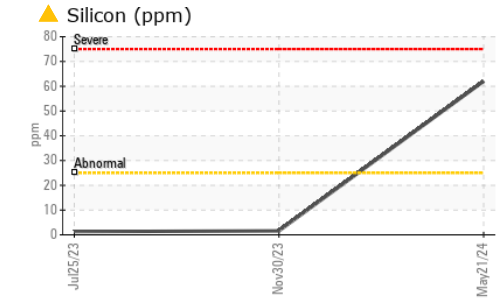
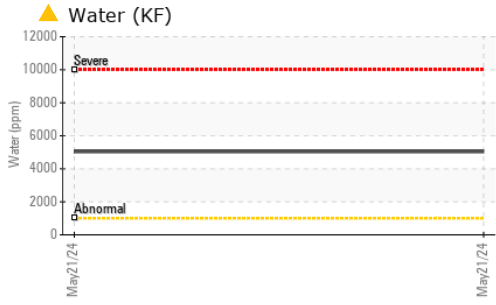
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	▲ 62	2	1
Sodium	ppm	ASTM D5185m	7	87	45
Potassium	ppm	ASTM D5185m >20	2	31	14
Water	%	ASTM D6304 >0.1	▲ 0.504	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 5040	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	0.052	0.093	0.188



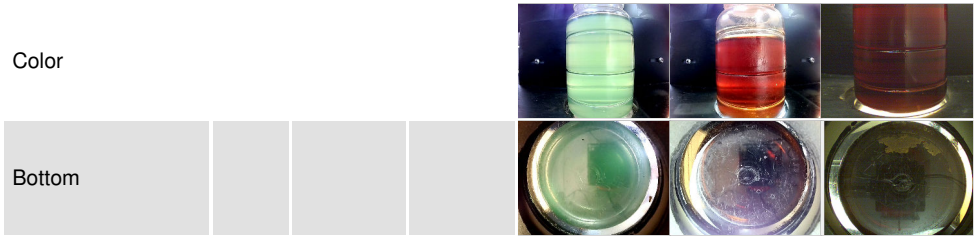
OIL ANALYSIS REPORT



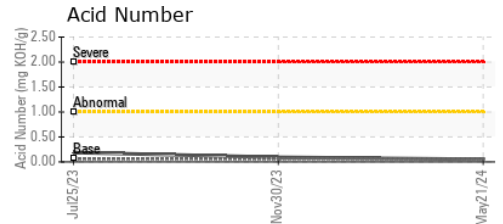
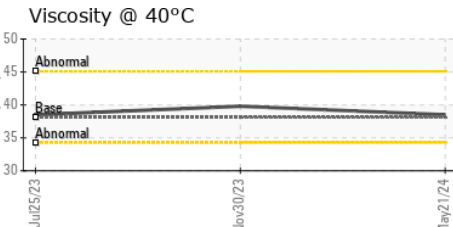
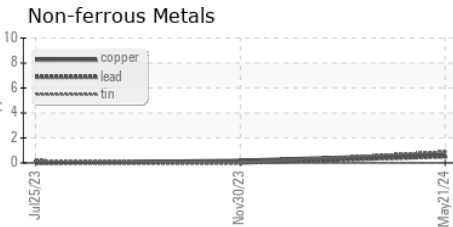
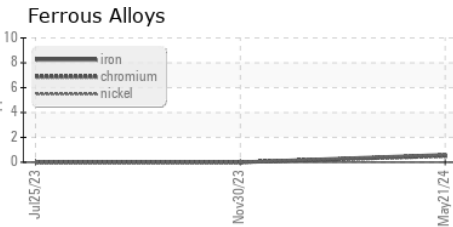
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	38.5	39.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06194181 **Received** : 29 May 2024
Lab Number : 06194181 **Tested** : 31 May 2024
Unique Number : 11056304 **Diagnosed** : 31 May 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

TATE ENGINEERING
 3921 Vero Road
 BALTIMORE, MD
 US 21227
 Contact: JOSH PLITT
 josh.plitt@tate.com
 T: (443)992-4413
 F:

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)