

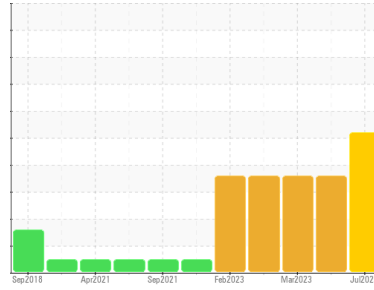


PROBLEM SUMMARY

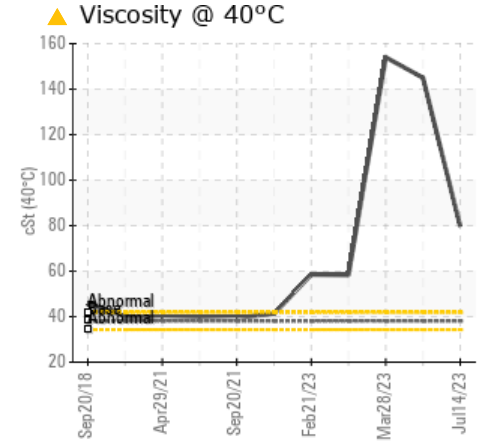
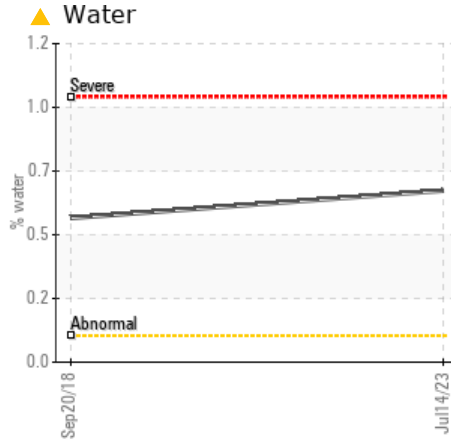
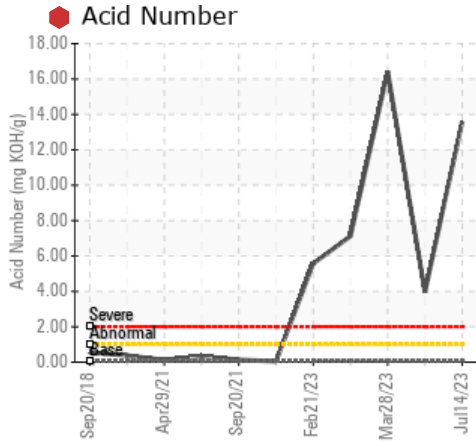
Sample Rating Trend

DEGRADATION

Area
SULLUBE
Machine Id
SULLAIR 200909100028 - VEOLIA
Component
Compressor



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE
Water	%	ASTM D6304	>0.1	▲ 0.646	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 6460	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	● 13.58	● 3.969	● 16.42
Visc @ 40°C	cSt	ASTM D445	38.1	▲ 79.8	▲ 145	▲ 154

Customer Id: UCTATRIC
Sample No.: UCH05905628
Lab Number: 05905628
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Flush System	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check For Overheating	---	---	?	We advise that you check for a possible overheat condition.

HISTORICAL DIAGNOSIS

27 Apr 2023 Diag: Don Baldrige

DEGRADATION



We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is well above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

view report



28 Mar 2023 Diag: Jonathan Hester

DEGRADATION



We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is well above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

view report



07 Mar 2023 Diag: Jonathan Hester

DEGRADATION



We advise that you check for a possible overheat condition. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

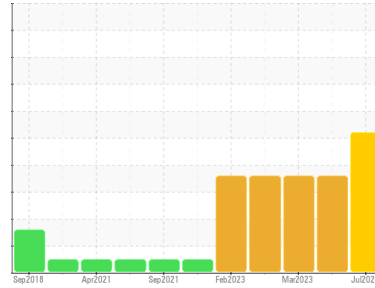
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area
SULLUBE
 Machine Id
SULLAIR 200909100028 - VEOLIA
 Component
Compressor

DIAGNOSIS

Recommendation

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05905628	UCH05839329	UCH05813983
Sample Date	Client Info		14 Jul 2023	27 Apr 2023	28 Mar 2023
Machine Age	hrs	Client Info	64986	63298	62589
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Changed	Not Chngd
Sample Status			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	38	1	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	0	0
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	5	<1	<1
Tin	ppm	ASTM D5185m >15	1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4	0	0
Barium	ppm	ASTM D5185m 745	484	134	303
Molybdenum	ppm	ASTM D5185m 0.0	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0.0	2	<1	4
Calcium	ppm	ASTM D5185m 1	4	2	3
Phosphorus	ppm	ASTM D5185m 3	14	8	11
Zinc	ppm	ASTM D5185m 0.1	12	<1	4
Sulfur	ppm	ASTM D5185m 240	472	422	594

CONTAMINANTS

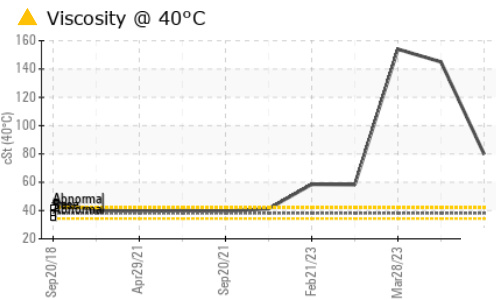
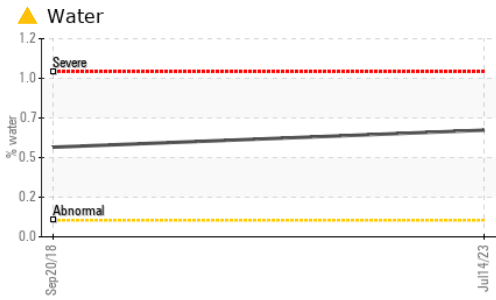
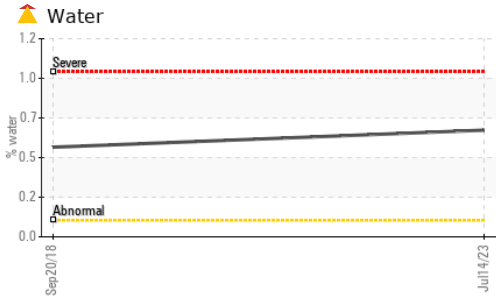
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	2	1
Sodium	ppm	ASTM D5185m	25	18	28
Potassium	ppm	ASTM D5185m >20	4	3	4
Water	%	ASTM D6304 >0.1	▲ 0.646	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 6460	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	● 13.58	● 3.969	● 16.42



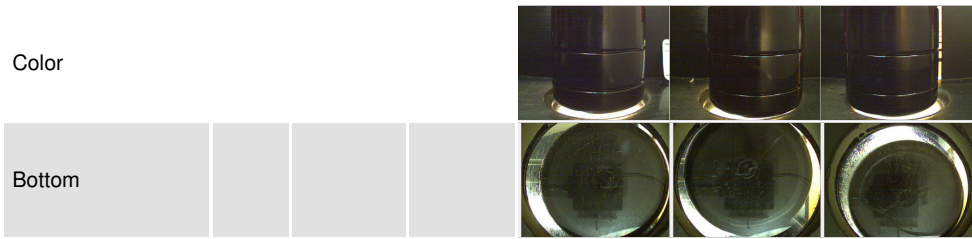
OIL ANALYSIS REPORT



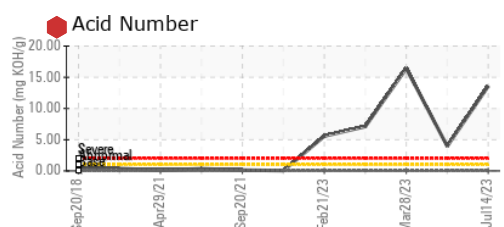
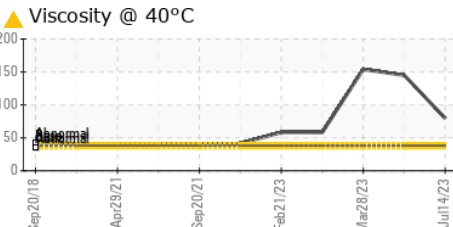
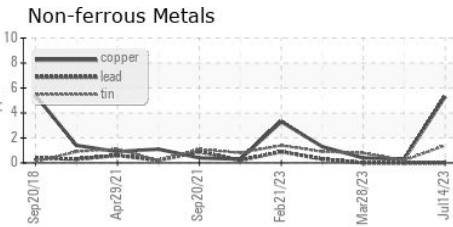
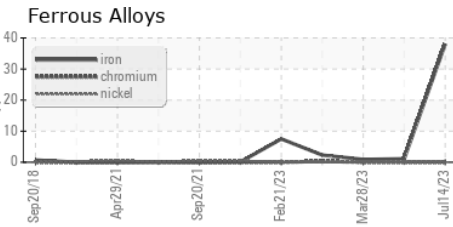
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	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	79.8	145

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05905628 **Received** : 24 Jul 2023
Lab Number : 05905628 **Diagnosed** : 26 Jul 2023
Unique Number : 10566984 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

TATE ENGINEERING
 8131 VIRGINIA PINE CT
 RICHMOND, VA
 US 23237
 Contact: KEITH GLEASON
 KEITH.GLEASON@TATE.COM

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)

T: (804)743-0415