

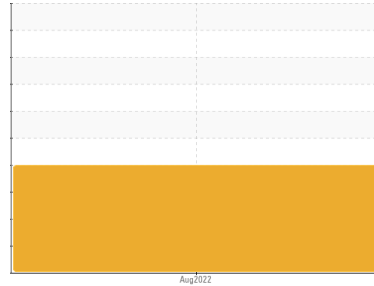


PROBLEM SUMMARY

Sample Rating Trend

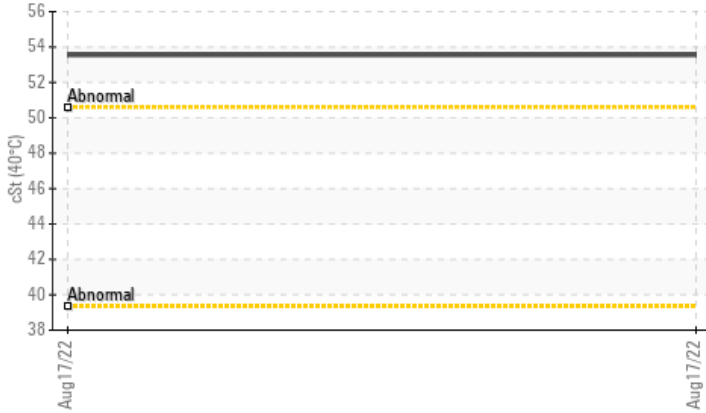
WATER

Area
AIM-HPL
 Machine Id
SULLAIR 003L119888 - AMERICAN ELECTRIC MOTOR
 Component
Compressor

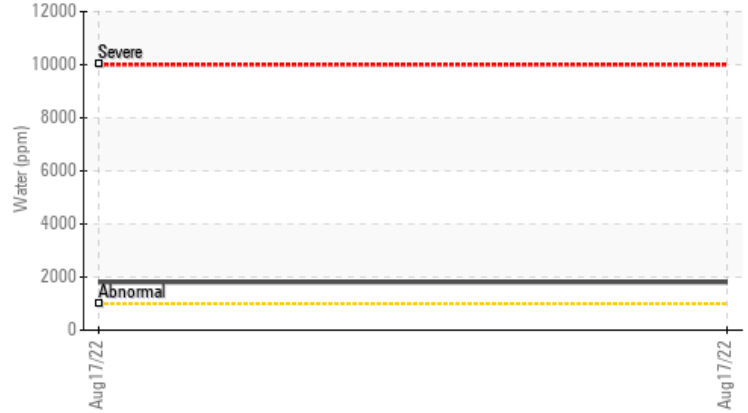


COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Water (KF)



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Water	%	ASTM D6304	>0.1	▲ 0.181	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1810	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	---	---
Free Water	scalar	*Visual		▲ 1.0	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 53.55	---	---

Customer Id: UCAIMMEM
 Sample No.: UCH05621888
 Lab Number: 05621888
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	MISSED	Jan 27 2023	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

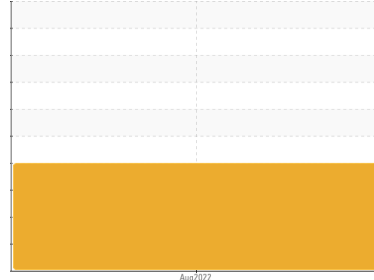


OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Area
AIM-HPL
Machine Id
SULLAIR 003L119888 - AMERICAN ELECTRIC MOTOR
Component
Compressor



DIAGNOSIS

▲ Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

Free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

▲ Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			UCH05621888	---	---
Sample Date	Client Info			17 Aug 2022	---	---
Machine Age	hrs	Client Info		36021	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			Not Changed	---	---
Sample Status				ABNORMAL	---	---

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

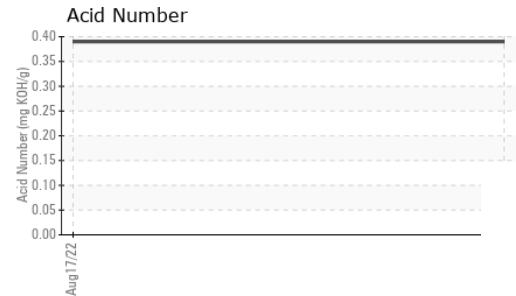
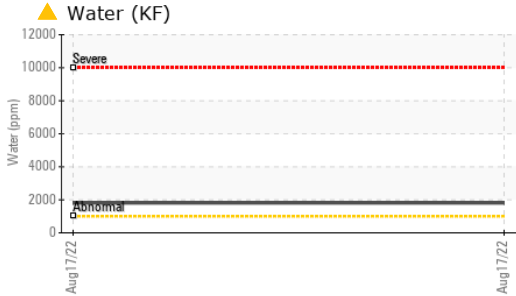
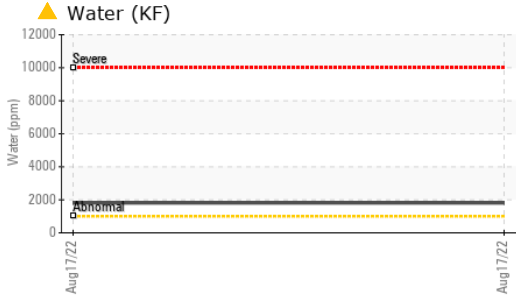
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		0	---	---
Phosphorus	ppm	ASTM D5185m		223	---	---
Zinc	ppm	ASTM D5185m		6	---	---
Sulfur	ppm	ASTM D5185m		1056	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	---	---
Sodium	ppm	ASTM D5185m		1	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.1	▲ 0.181	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1810	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	---	---



OIL ANALYSIS REPORT



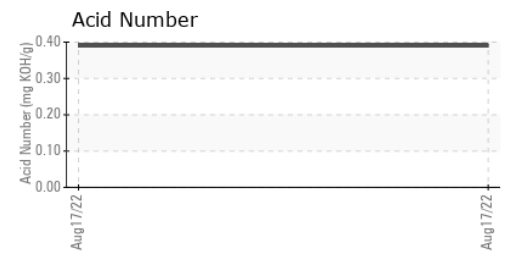
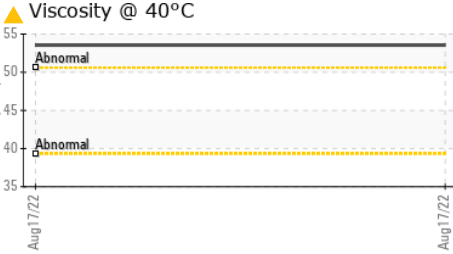
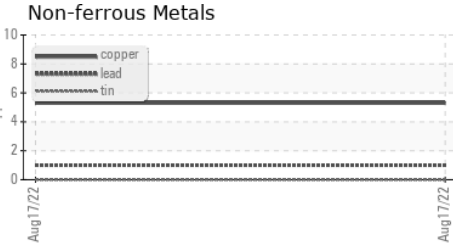
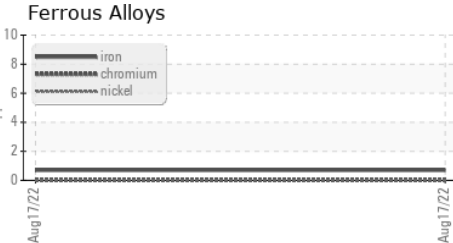
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	---	---
Free Water	scalar	*Visual		▲ 1.0	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 53.55	---	---

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. : UCH05621888 **Received** : 19 Aug 2022
Lab Number : 05621888 **Diagnosed** : 09 Nov 2023
Unique Number : 10101395 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF)

AIM POWER AND FLUIDS
 2884 SANDERWOOD DR
 MEMPHIS, TN
 US 38118
 Contact: WAIN GOAD
 Wain.goad@aimcompanies.com
 T: (901)363-2200
 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)