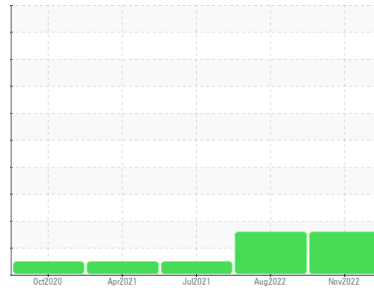




PROBLEM SUMMARY

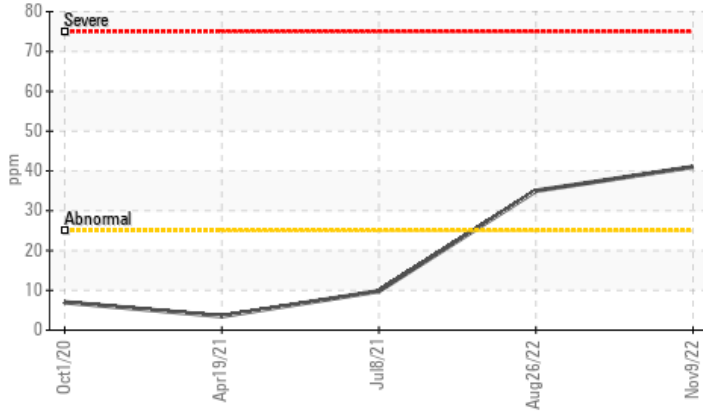
Sample Rating Trend



Machine Id
DAIKIN AAM CH2 C1 (S/N STNU312200035)
 Component
Centrifugal Compressor
 Fluid
ICI EMKARATE RL 46H (8 GAL)

COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	NORMAL
Silicon	ppm	ASTM D5185m	>25	▲ 41	▲ 35	10

Customer Id: CUSANY
 Sample No.: WC1234567
 Lab Number: 01234567
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

26 Aug 2022 Diag: Doug Bogart

DIRT



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Jul 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



19 Apr 2021 Diag: Angela Borella

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

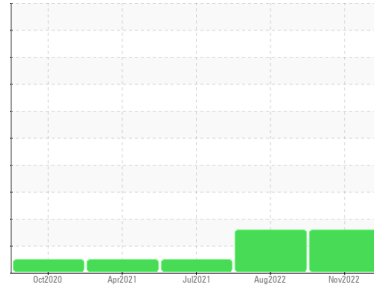
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
DAIKIN AAM CH2 C1 (S/N STNU312200035)
 Component
Centrifugal Compressor
 Fluid
ICI EMKARATE RL 46H (8 GAL)

DIAGNOSIS

▲ 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

Elemental level of silicon (Si) above normal.

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	history 1	history 2
Sample Number			WC0758417	WC0618894	WC0526810
Sample Date			09 Nov 2022	26 Aug 2022	08 Jul 2021
Machine Age	hrs		3970	3420	120
Oil Age	hrs		3970	22530	0
Oil Changed			N/A	Not Changd	Changed
Sample Status			ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	<1	0
Chromium	ppm ASTM D5185m	>10	0	0	<1
Nickel	ppm ASTM D5185m		0	0	<1
Titanium	ppm ASTM D5185m		0	0	0
Silver	ppm ASTM D5185m		0	1	<1
Aluminum	ppm ASTM D5185m	>25	<1	0	0
Lead	ppm ASTM D5185m	>25	0	<1	<1
Copper	ppm ASTM D5185m	>50	24	18	2
Tin	ppm ASTM D5185m	>15	<1	<1	1
Antimony	ppm ASTM D5185m		---	---	<1
Vanadium	ppm ASTM D5185m		0	0	0
Cadmium	ppm ASTM D5185m		0	0	<1

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m		0	0	1
Barium	ppm ASTM D5185m		0	<1	0
Molybdenum	ppm ASTM D5185m		0	<1	0
Manganese	ppm ASTM D5185m		0	0	0
Magnesium	ppm ASTM D5185m		0	<1	<1
Calcium	ppm ASTM D5185m		0	0	0
Phosphorus	ppm ASTM D5185m		1613	1538	1941
Zinc	ppm ASTM D5185m		13	16	<1
Sulfur	ppm ASTM D5185m		64	41	48

CONTAMINANTS

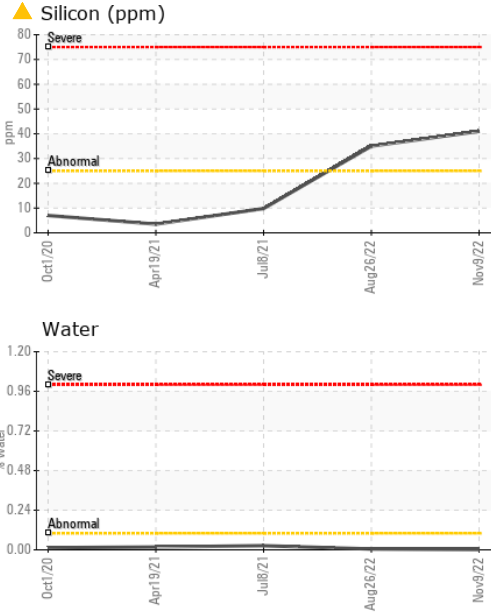
	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	▲ 41	▲ 35	10
Sodium	ppm ASTM D5185m		0	<1	0
Potassium	ppm ASTM D5185m	>20	0	<1	<1
Water	% ASTM D6304	>0.1	0.001	0.005	0.025
ppm Water	ppm ASTM D6304	>1000	12.1	50.5	256.7

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.02	0.015	0.027	0.045



OIL ANALYSIS REPORT



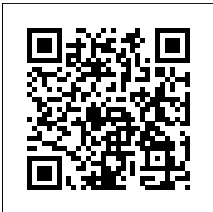
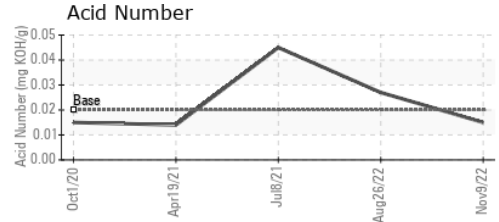
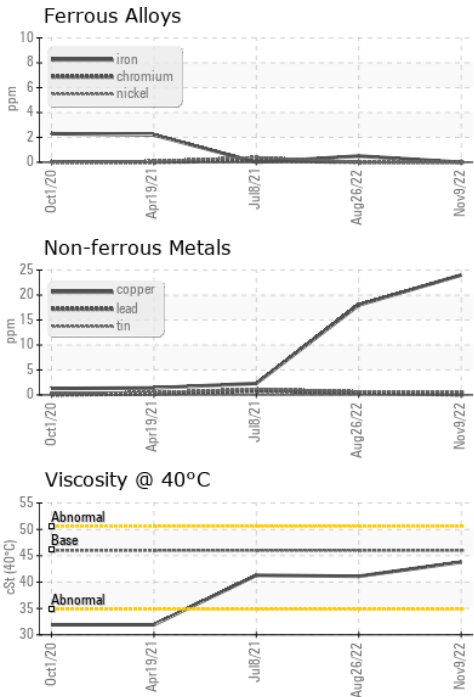
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46.0	43.8	41.1

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC1234567 **Received** : 17 Nov 2022
Lab Number : **01234567** **Diagnosed** : 18 Nov 2022
Unique Number : 12345678 **Diagnostician** : Jonathan Hester
Test Package : PLANT

Cusany Logistics Inc.
 1212 Industrial Place
 Centerville, OH
 USA 75900
 Contact: Jim Leduc
 jim.leduc@cusanylogisticsinc.com
 T: (305)555-1212
 F: (305)555-1222

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)