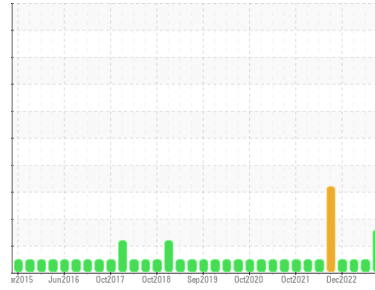




PROBLEM SUMMARY

Area
DF8 [6575]
 Machine Id
KAESER 1018/5041484 - WAPSIE VALLEY CREAMERY INC
 Component
Compressor

Sample Rating Trend

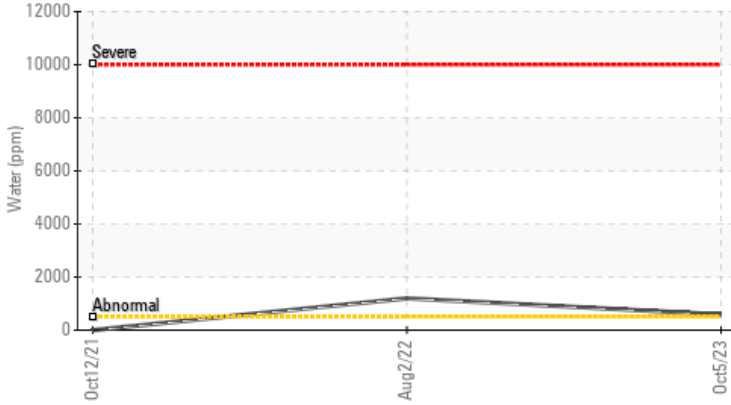


WATER



COMPONENT CONDITION SUMMARY

▲ 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				ATTENTION	NORMAL	NORMAL
Water	%	ASTM D6304	>0.05	▲ 0.059	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 590	---	---

Customer Id: UCDELCD
 Sample No.: UCH05979857
 Lab Number: 05979857
 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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

29 Jun 2023 Diag: Don Baldrige

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



04 May 2023 Diag: Don Baldrige

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



07 Dec 2022 Diag: Don Baldrige

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.

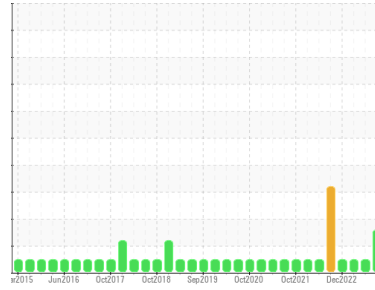
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
DF8 [6575]
 Machine Id
KAESER 1018/5041484 - WAPSIE VALLEY CREAMERY INC
 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

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

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05979857	UCH05905614	UCS05849836
Sample Date	Client Info		05 Oct 2023	29 Jun 2023	04 May 2023
Machine Age	hrs	Client Info	42494	42145	41844
Oil Age	hrs	Client Info	1266	917	616
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ATTENTION	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	<1	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m >3	0	0	0
Titanium	ppm	ASTM D5185m >3	0	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >10	0	0	0
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >50	12	20	28
Tin	ppm	ASTM D5185m >10	0	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	0	0	0
Barium	ppm	ASTM D5185m 0.3	0	<1	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0	0	<1	<1
Magnesium	ppm	ASTM D5185m 0	0	<1	2
Calcium	ppm	ASTM D5185m 0.5	0	<1	1
Phosphorus	ppm	ASTM D5185m 536	96	140	140
Zinc	ppm	ASTM D5185m 0.2	18	50	70
Sulfur	ppm	ASTM D5185m 649	533	1083	1156

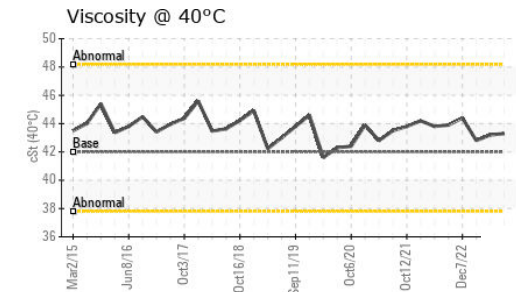
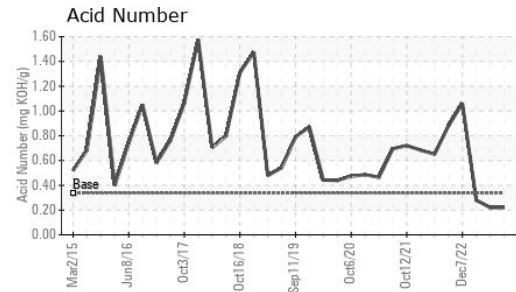
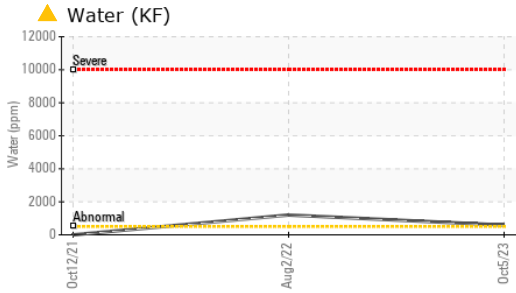
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	0
Sodium	ppm	ASTM D5185m	0	<1	2
Potassium	ppm	ASTM D5185m >20	0	0	1
Water	%	ASTM D6304 >0.05	▲ 0.059	---	---
ppm Water	ppm	ASTM D6304 >500	▲ 590	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.337	0.22	0.22	0.28

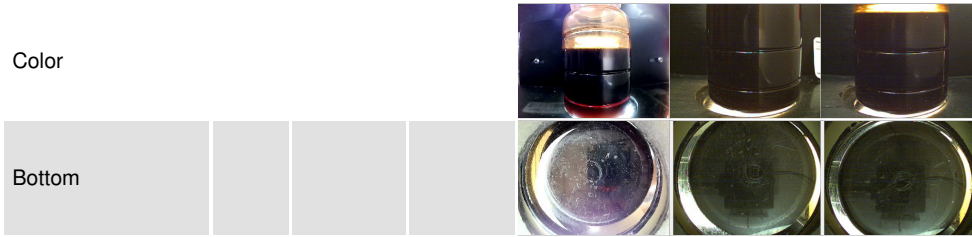
OIL ANALYSIS REPORT



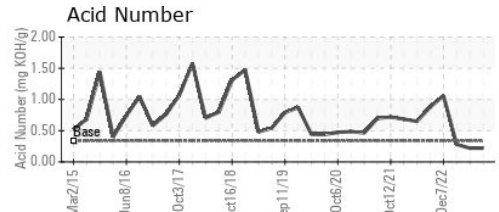
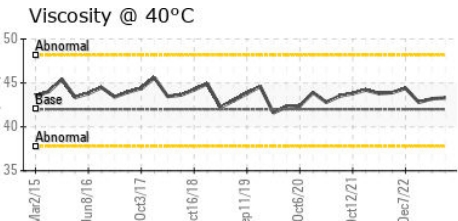
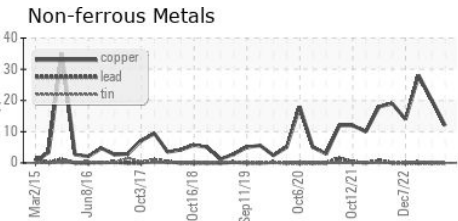
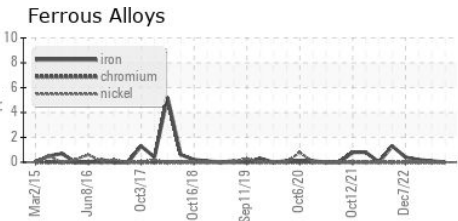
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	HEAVY	NONE
Debris	scalar	*Visual	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.0	43.3	43.2	42.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05979857 **Received** : 16 Oct 2023
Lab Number : **05979857** **Diagnosed** : 18 Oct 2023
Unique Number : 10697152 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

DELTA INDUSTRIES - CEDAR RAPIDS
 6540 4TH ST SW
 CEDAR RAPIDS, IA
 US 52404
 Contact: MICHAEL FERRIS
 wearcheck@deltaind.net
 T: (319)862-2500
 F: (319)862-2501

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)