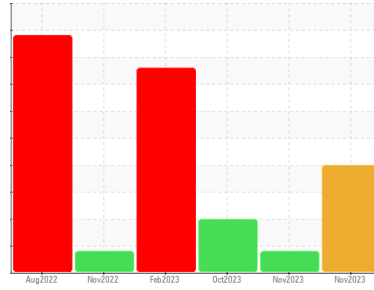


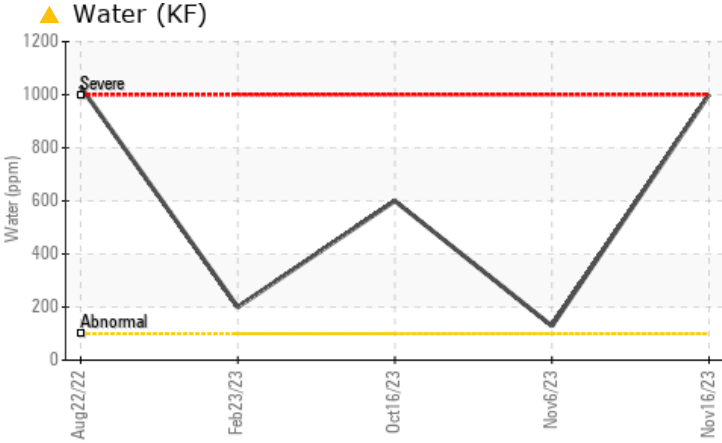
PROBLEM SUMMARY

Area
Paper Cup Machines
 Machine Id
PMC 1003 POS-418 (S/N 42933)
 Component
Circulating System
 Fluid
SUMMIT Syngear SH-1032 320 (85 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY




RECOMMENDATION

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	▲ 0.100	0.012	0.060
ppm Water	ppm	ASTM D6304	▲ 1000	128.7	600
Appearance	scalar	*Visual	▲ HAZY	NORML	NORML
Emulsified Water	scalar	*Visual	▲ 0.2%	NEG	0.2%
Free Water	scalar	*Visual	▲ 1.0	NEG	▲ 1.0

Customer Id: DARDALTX
Sample No.: TO50001751
Lab Number: 06014043
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, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS

06 Nov 2023 Diag: Doug Bogart

SEDIMENT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

[view report](#)



16 Oct 2023 Diag: Jonathan Hester

WATER



We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Free water present. 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](#)



23 Feb 2023 Diag: Jonathan Hester

WATER

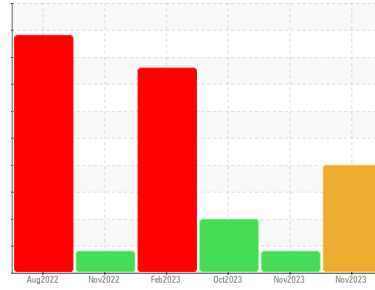


We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Excessive free water present. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a moderate amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)



Area
Paper Cup Machines
 Machine Id
PMC 1003 POS-418 (S/N 42933)
 Component
Circulating System
 Fluid
SUMMIT Syngear SH-1032 320 (85 GAL)



DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count.

Wear

All component wear rates are normal.

Contamination

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

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	TO50001751	TO50001961	TO50001174
Sample Date	Client Info	16 Nov 2023	06 Nov 2023	16 Oct 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Changed	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	6	49	17
Iron	ppm ASTM D5185m	6	9	5
Chromium	ppm ASTM D5185m	<1	<1	0
Nickel	ppm ASTM D5185m	7	7	7
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m	0	<1	0
Aluminum	ppm ASTM D5185m	2	3	0
Lead	ppm ASTM D5185m	0	0	0
Copper	ppm ASTM D5185m	1	2	1
Tin	ppm ASTM D5185m	<1	0	0
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	<1	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	8	0	<1
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	<1	<1	0
Manganese	ppm ASTM D5185m	0	0	0
Magnesium	ppm ASTM D5185m	<1	0	0
Calcium	ppm ASTM D5185m	<1	<1	0
Phosphorus	ppm ASTM D5185m	245	173	196
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m	2271	1323	1346

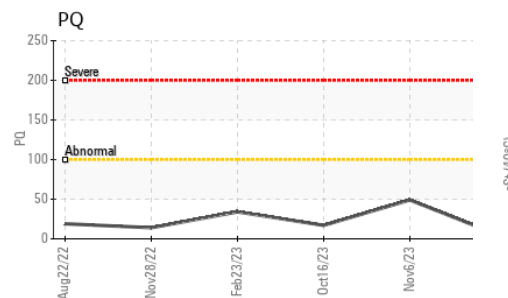
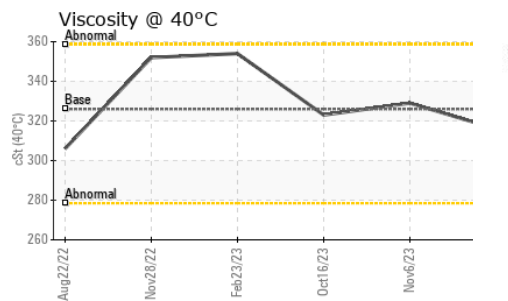
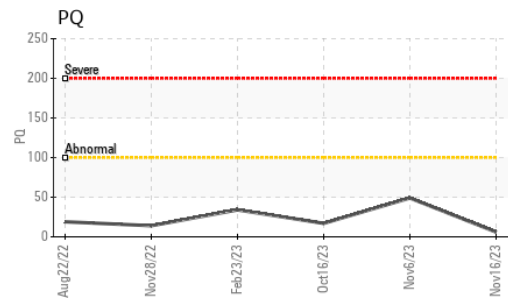
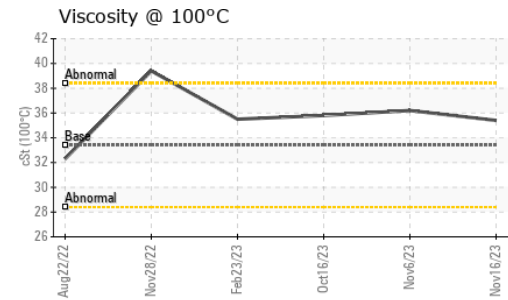
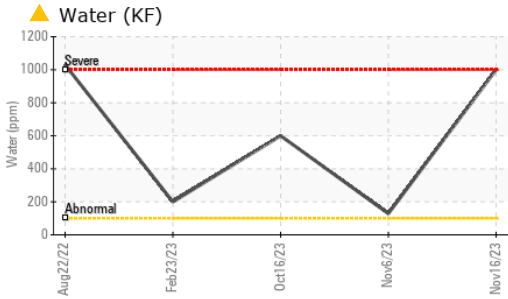
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	5939	6287	3814
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m	>20	2	0
Water	% ASTM D6304	▲ 0.100	0.012	0.060
ppm Water	ppm ASTM D6304	▲ 1000	128.7	600

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.38	0.40	0.37

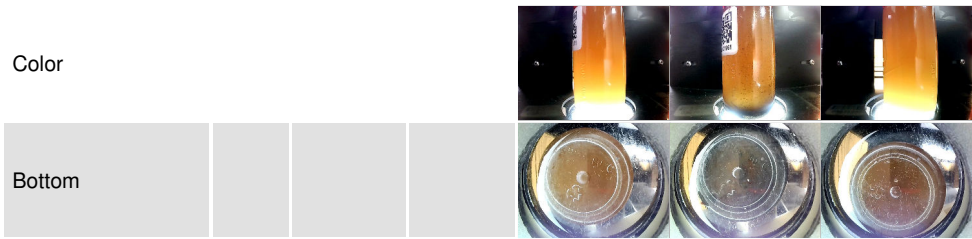
OIL ANALYSIS REPORT



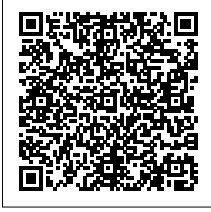
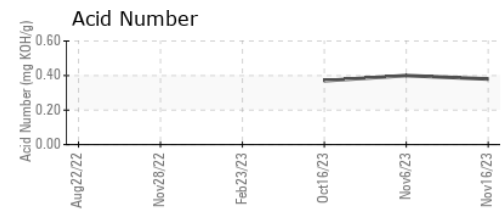
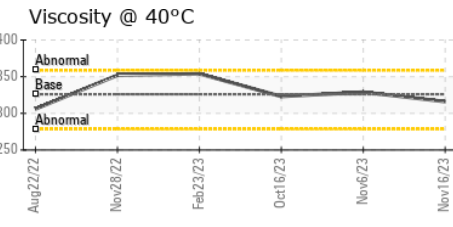
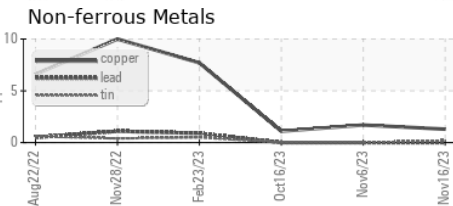
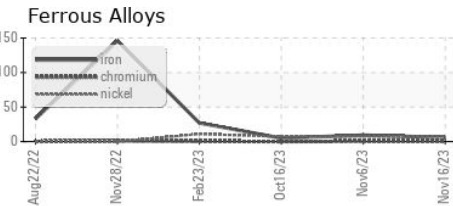
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	326	316	329
Visc @ 100°C	cSt	ASTM D445	33.4	35.4	36.2
Viscosity Index (VI)	Scale	ASTM D2270	145	158	156

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50001751 **Received** : 21 Nov 2023
Lab Number : 06014043 **Diagnosed** : 24 Nov 2023
Unique Number : 10753187 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, PrtCount, VI)
 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)

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