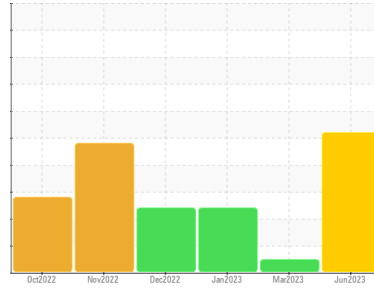


PROBLEM SUMMARY

Area
Paper Cup Machines
 Machine Id
PMC 1003 POS-216 (S/N 159158)
 Component
Circulating System
 Fluid
SUMMIT Syngear SH-1032 320 (85 GAL)

Sample Rating Trend

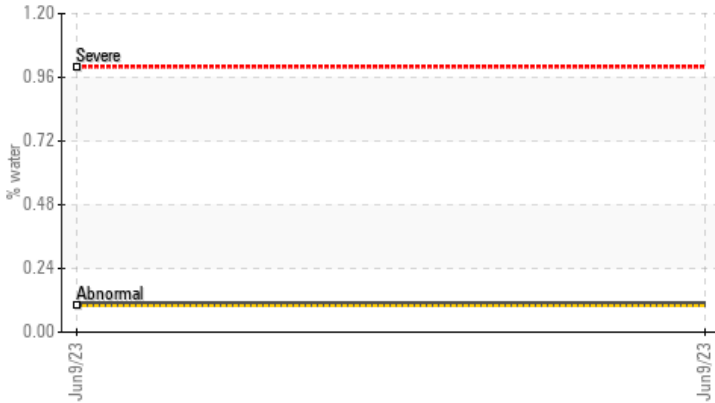


WATER



COMPONENT CONDITION SUMMARY

▲ Water



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. 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. (Customer Sample Comment: Cs)

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	ABNORMAL
Water	%	ASTM D6304		▲ 0.104	---	---
ppm Water	ppm	ASTM D6304		▲ 1040	---	---
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
Appearance	scalar	*Visual	NORML	▲ HAZY	HAZY	▲ HAZY
Emulsified Water	scalar	*Visual		▲ 0.2%	NEG	NEG
Free Water	scalar	*Visual		▲ 1.0	NEG	NEG

Customer Id: DARDALTX
 Sample No.: TO50001688
 Lab Number: 05873186
 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	---	---	?	We advise that you follow the water drain-off procedure for this component.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

06 Mar 2023 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 condition of the oil is acceptable for the time in service.

view report



19 Jan 2023 Diag: Don Baldrige

DIRT



Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

view report



09 Dec 2022 Diag: Jonathan Hester

DIRT



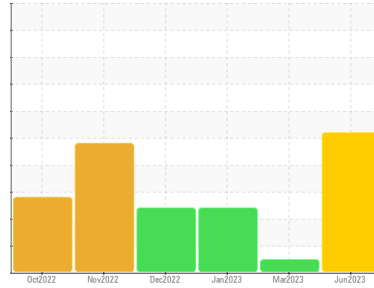
Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
Paper Cup Machines
Machine Id
PMC 1003 POS-216 (S/N 159158)
Component
Circulating System
Fluid
SUMMIT Syngear SH-1032 320 (85 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. 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. (Customer Sample Comment: Cs)

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			TO50001688	TO50001391	TO50001438
Sample Date	Client Info			09 Jun 2023	06 Mar 2023	19 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

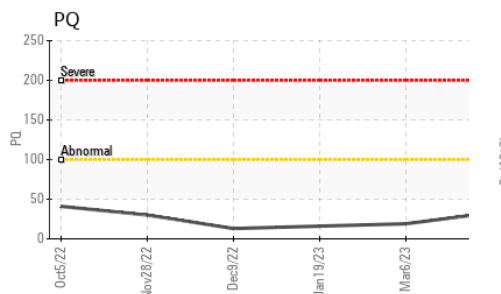
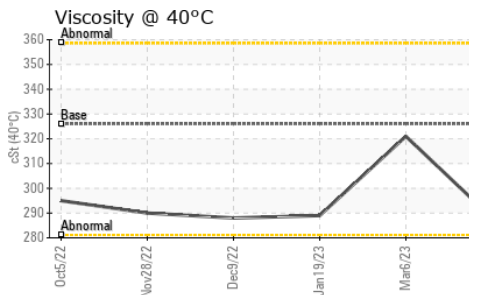
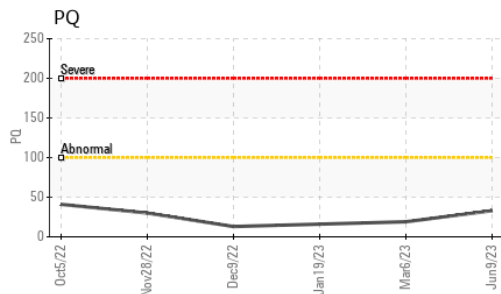
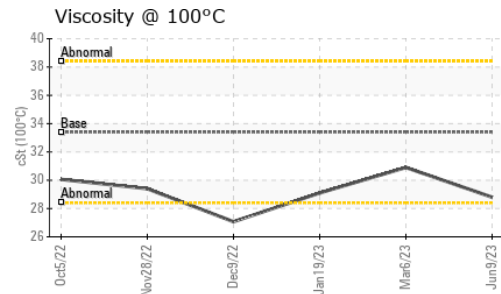
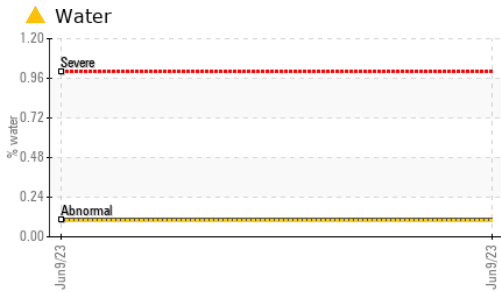
WEAR METALS		method	limit/base	current	history 1	history 2
PQ		ASTM D8184		33	19	16
Iron	ppm	ASTM D5185m		19	31	14
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m		19	6	17
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		<1	1	1
Lead	ppm	ASTM D5185m		<1	0	1
Copper	ppm	ASTM D5185m		2	1	1
Tin	ppm	ASTM D5185m		<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		50	56	58
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	2
Calcium	ppm	ASTM D5185m		3	6	2
Phosphorus	ppm	ASTM D5185m		448	474	469
Zinc	ppm	ASTM D5185m		2	0	3
Sulfur	ppm	ASTM D5185m		7109	7120	7411

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m		8911	3295	▲ 8041
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304		▲ 0.104	---	---
ppm Water	ppm	ASTM D6304		▲ 1040	---	---

FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.70	---	---

OIL ANALYSIS REPORT



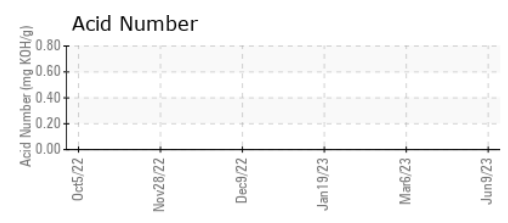
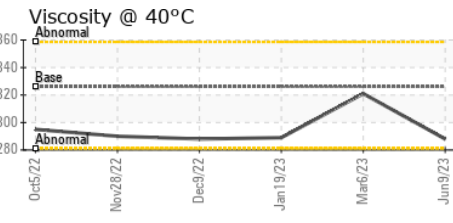
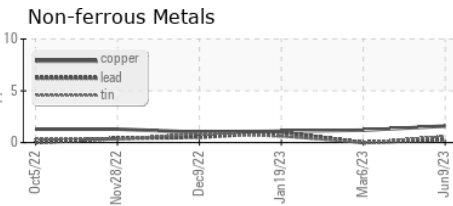
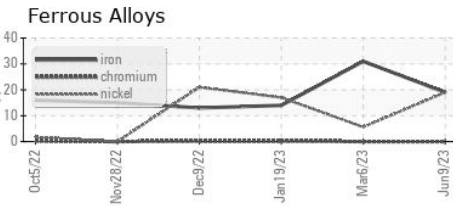
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ HAZY	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	▲ 0.2%	NEG	NEG
Free Water	scalar	*Visual	▲ 1.0	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	326	288	321
Visc @ 100°C	cSt	ASTM D445	33.4	28.8	30.9
Viscosity Index (VI)	Scale	ASTM D2270	145	134	133

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. : TO50001688 **Received** : 14 Jun 2023
Lab Number : 05873186 **Diagnosed** : 15 Jun 2023
Unique Number : 10512970 **Diagnostician** : Doug Bogart
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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