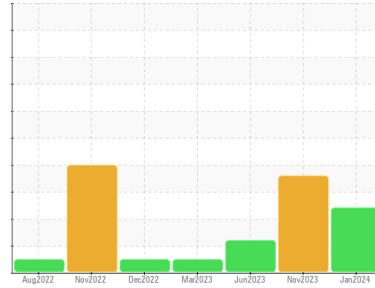


Area
Paper Cup Machines
 Machine Id
PMC 1003 POS-409 (S/N 193564)
 Component
Circulating System
 Fluid
SUMMIT Syngear SH-1032 320 (85 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

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	TO50001939	TO50001966	TO50001733
Sample Date	Client Info	11 Jan 2024	06 Nov 2023	13 Jun 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	35	▲ 207	19
Iron	ppm	17	20	15
Chromium	ppm	0	<1	0
Nickel	ppm	4	4	7
Titanium	ppm	0	<1	0
Silver	ppm	0	0	0
Aluminum	ppm	1	3	<1
Lead	ppm	0	0	<1
Copper	ppm	4	4	3
Tin	ppm	<1	0	<1
Vanadium	ppm	0	<1	0
Cadmium	ppm	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	60	67	70
Barium	ppm	0	0	2
Molybdenum	ppm	0	0	0
Manganese	ppm	0	0	<1
Magnesium	ppm	0	<1	<1
Calcium	ppm	31	2	2
Phosphorus	ppm	509	450	465
Zinc	ppm	0	0	4
Sulfur	ppm	7127	7323	7751

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	3251	3477	3597
Sodium	ppm	1	0	0
Potassium	ppm	<1	2	1
Water	%	0.013	0.020	0.025
ppm Water	ppm	137	202.1	258.9

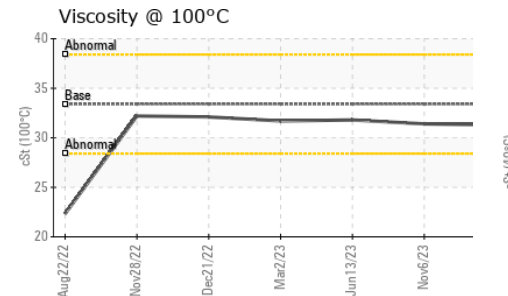
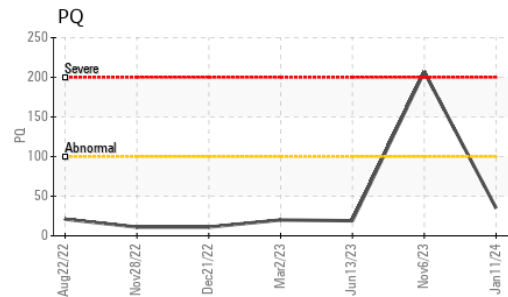
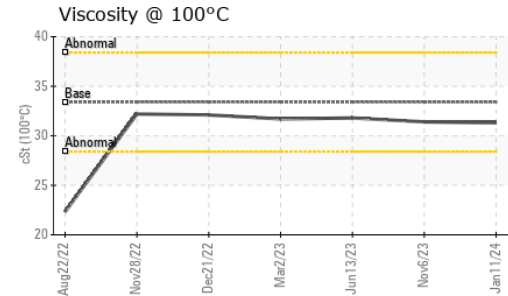
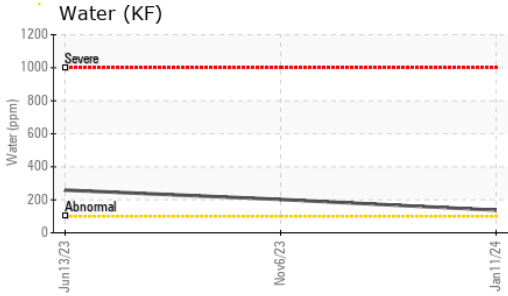
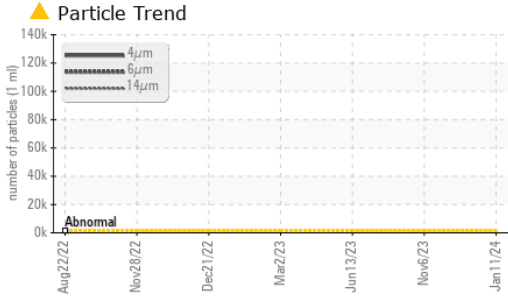
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	▲ 131350	---
Particles >6µm	ASTM D7647	>320	▲ 40826	---
Particles >14µm	ASTM D7647	>80	▲ 2220	---
Particles >21µm	ASTM D7647	>20	▲ 448	---
Particles >38µm	ASTM D7647	>4	▲ 6	---
Particles >71µm	ASTM D7647	>3	▲ 0	---
Oil Cleanliness	ISO 4406 (c)	>17/15/13	▲ 24/23/18	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	0.75	0.69	0.71

OIL ANALYSIS REPORT

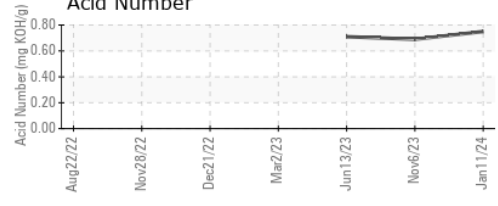
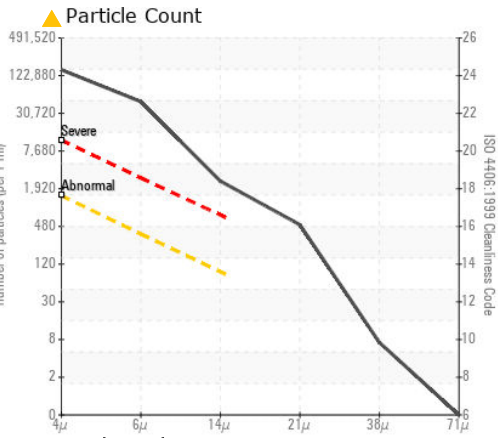
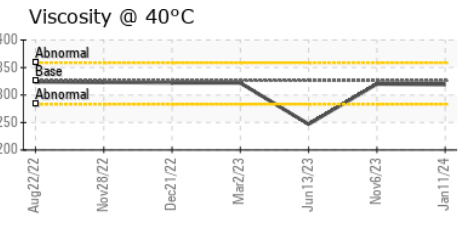
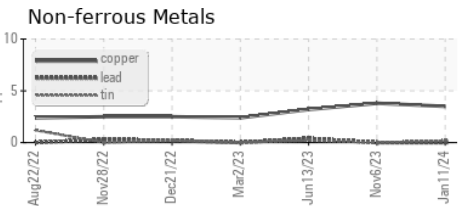
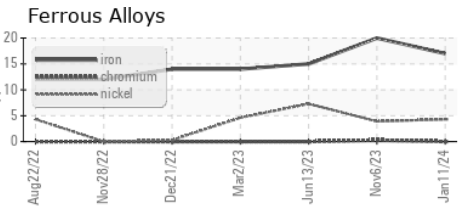


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ HEAVY	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	326	319	320
Visc @ 100°C	cSt	ASTM D445	33.4	31.3	31.4
Viscosity Index (VI)	Scale	ASTM D2270	145	136	136

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50001939 **Received** : 17 Jan 2024
Lab Number : 06062662 **Diagnosed** : 19 Jan 2024
Unique Number : 10834044 **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)

DART CONTAINER CORPORATION
 4444 W LEADBETTER DR
 DALLAS, TX
 US 75236
 Contact: YON PALOMINO
 yon.palomino@dart.biz
 T: (214)775-5673
 F: