

OIL ANALYSIS REP

Paper Cup Machines PMC 1003 POS-214 (S/N 1590 Component

Circulating System

SUMMIT Syngear SH-1032 320 (85 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter cleaned at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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		Sep2022 Oc	2022 Nov2022 Feb2023	JunŻ023 AugŻ023 NovŻ023 DecŻ0	123 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50001955	TO50001981	TO50001990
Sample Date		Client Info		12 Jan 2024	28 Dec 2023	27 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13	11	13
Iron	ppm	ASTM D5185m		0	3	2
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel Titanium	ppm ppm	ASTM D5185m ASTM D5185m		0	2	<1 0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	1	1
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		2	1	<1
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	6	4
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1 <1	<1 <1	0
Calcium	ppm	ASTM D5185m		1	24	<1 <1
Phosphorus	ppm	ASTM D5185m		150	162	140
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1464	1594	1426
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		1291	1619	933
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water	%	ASTM D6304		0.012	0.005	0.006
ppm Water	ppm	ASTM D6304		123	51	65
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	A 22097		▲ 169596
Particles >6µm		ASTM D7647		<u> </u>		▲ 108860
Particles >14µm		ASTM D7647	>80	18		▲ 18105
Particles >21µm		ASTM D7647		4		▲ 5747 ▲ 12
Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647	>4 >3	0		▲ 13 ▲ 3
Oil Cleanliness		ISO 4406 (c)	>17/15/13	0 22/18/11		▲ 25/24/21
FLUID DEGRADA		()			historyd	
			limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.40	

Sample Rating Trend

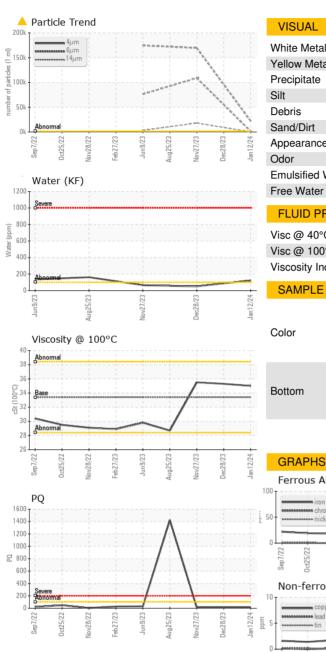
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Submitted By: YON PALOMINO

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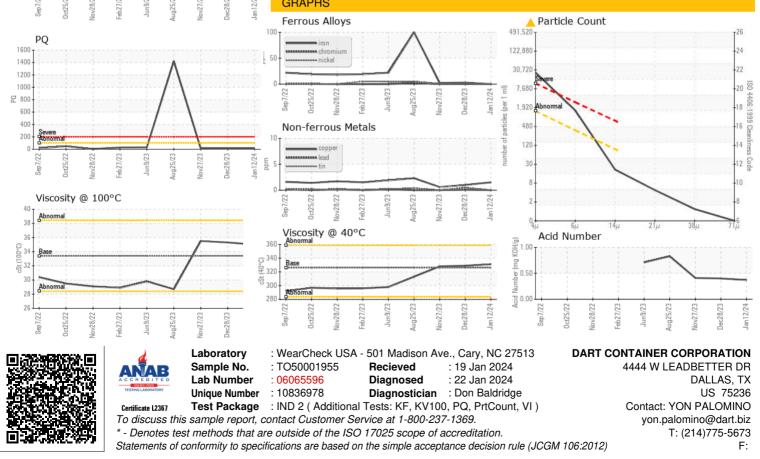


OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	A HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	326	331	329	328
Visc @ 100°C	cSt	ASTM D445	33.4	35.0	35.3	35.5
Viscosity Index (VI)	Scale	ASTM D2270	145	150	152	153
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				a	a - 5	a





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