WEAR CONTAMINATION **FLUID CONDITION**

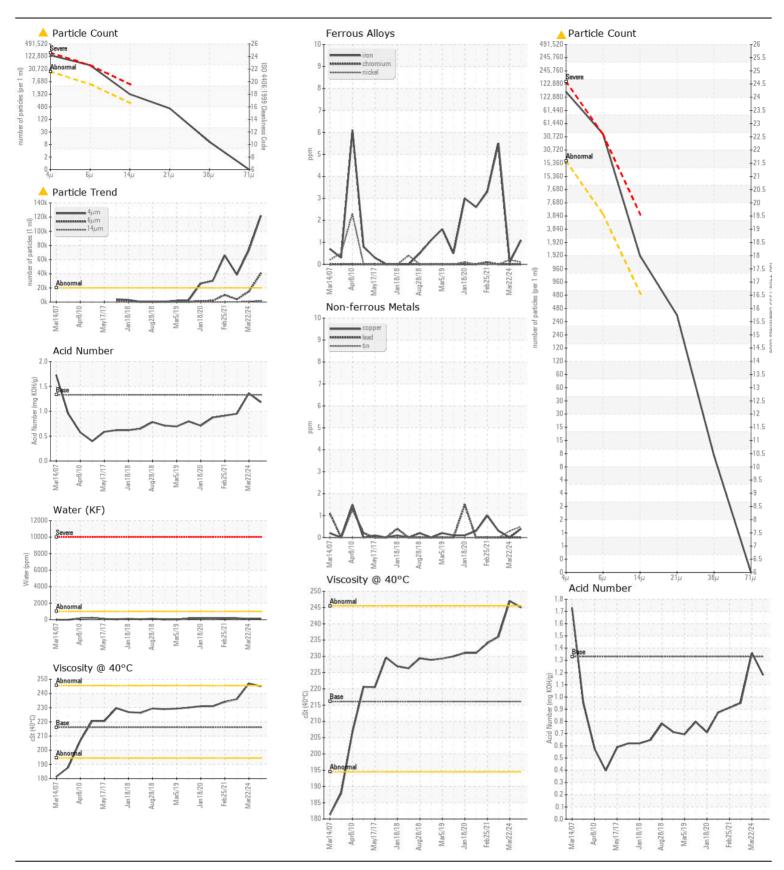
NORMAL ABNORMAL NORMAL

No. 1 Paper Machine

1 PM 1ST Press Top Roll Drive Str# 6 Gear Unit

POVAL DUDDIE SYNEDGY 00/220 (11 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.	Sample Number		Client Info		RP0039779	RP0038173	RP0031075
	Sample Date		Client Info		16 May 2024	22 Mar 2024	14 Oct 2022
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	ABNORMAL	ATTENTIO
WEAR	Iron	ppm	ASTM D5185m		1	<1	6
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	>10	<1	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		<1	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m	>10	<1	<1	0
	Vanadium	ppm	ASTM D5185m	NONE	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<u> </u>	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	16	16	19
There is a high amount of particulates present in the oil.	Potassium	ppm	ASTM D5185m	>20	3	<1	0
	Water	%	ASTM D6304	>0.1	0.011	0.010	0.018
	ppm Water	ppm	ASTM D6304	>1000	118	109	186.7
	Particles >4μm		ASTM D7647		122059	<u></u> 4 → 73030	38410
	Particles >6µm		ASTM D7647	>5000	<u>40599</u>	<u> </u>	3810
	Particles >14μm		ASTM D7647		<u> </u>	<u> </u>	220
	Particles >21μm		ASTM D7647		<u></u> 4 354 ∆	<u></u> 213	58
	Particles >38μm		ASTM D7647		9	8	4
	Particles >71μm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/23/18	<u>\$\text{\Delta}\$ 23/21/17</u>	22/19/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor Emulsified Water	scalar	*Visual *Visual	NORML >0.1	NORML NEG	NORML NEG	NORM NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	<1	0
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		0	0	0
suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		0	0	0
	Calcium	ppm	ASTM D5185m	076	0	0	0
	Phosphorus	ppm	ASTM D5185m	370	8	9	16
	Zinc	ppm	ASTM D5185m	1.00	0	0	0
	Acid Number (AN)		ASTM D8045		1.18	1.36	0.95
	Visc @ 40°C	cSt	ASTM D445	216.1	245	247	236





Certificate L2367

Unique Number: 11044396

Laboratory Sample No. Lab Number

: RP0039779 : 06187644

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed Test Package: IND 2 (Additional Tests: PrtCount)

: 22 May 2024 : 23 May 2024

: 24 May 2024 - Don Baldridge

GRAPHIC PACKAGING INTERNATIONAL 9978 FM 3129 QUEEN CITY, TX US 75572

> Contact: DAVID COTHREN david.cothren@graphicpkg.com T: (903)796-1690

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.

F: (903)796-1969 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Contact/Location: DAVID COTHREN - INTTEX