WEAR CONTAMINATION FLUID CONDITION

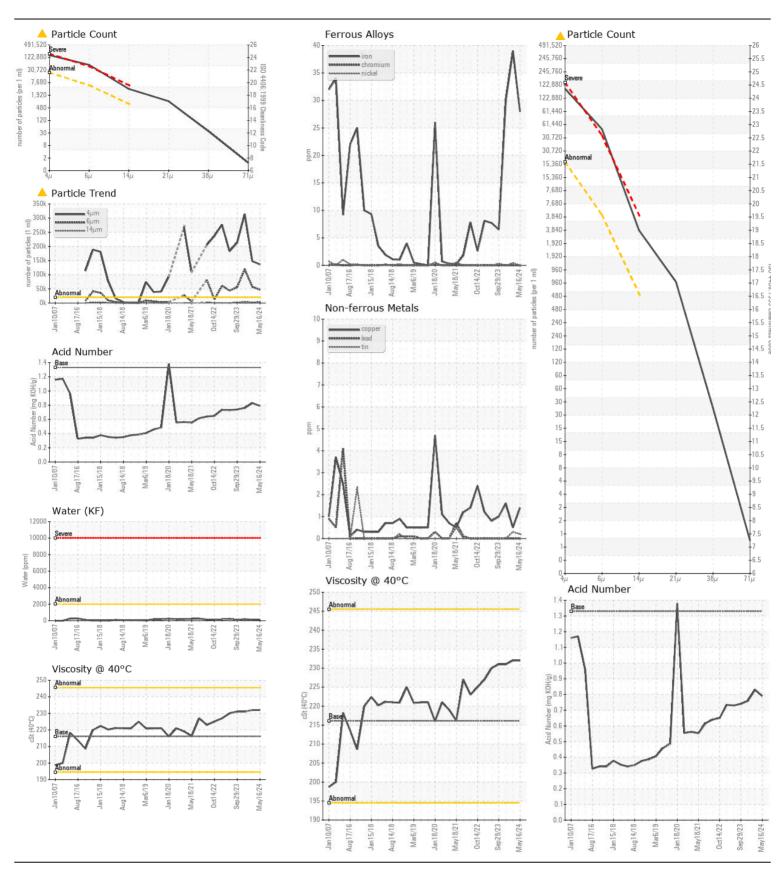
NORMAL ABNORMAL NORMAL

No. 1 Paper Machine

1 PM 1ST DRY DRIVE STR#13 611-25-01A (S/N M027565-19)

Gearbox

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		RP0039747	RP0038178	RP003820
	Sample Date		Client Info		16 May 2024	13 Mar 2024	29 Dec 202
	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	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>200	28	39	30
	Chromium	ppm	ASTM D5185m	>15	0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>15	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	0	0
	Lead	ppm	ASTM D5185m	>100	0	0	0
	Copper	ppm	ASTM D5185m	>200	1	<1	2
	Tin	ppm	ASTM D5185m	>25	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	10	8	9
	Potassium	ppm	ASTM D5185m	>20	1	<1	0
There is a high amount of particulates present in the oil.	Water	%	ASTM D6304	>0.2	0.012	0.010	0.019
	ppm Water	ppm	ASTM D6304	>2000	125	106	195
	Particles >4µm		ASTM D7647	>20000	136123	147503	<u></u> 31378
	Particles >6µm		ASTM D7647	>5000	47140	<u></u> 57017	11917
	Particles >14µm		ASTM D7647	>640	3346	<u> </u>	4089
	Particles >21μm		ASTM D7647	>160	<u> </u>	<u></u> 611	<u></u> ▲ 604
	Particles >38μm		ASTM D7647	>40	32	24	17
	Particles >71μm		ASTM D7647	>10	1	1	0
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/23/19	<u>4</u> 24/23/19	<u>\$\Delta\$ 25/24/1</u>
	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	NORN
	Odor	scalar		NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	0
The Abilians is accordable for the field. The condition of the 193	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		0	<1	0
	Calcium	ppm	ASTM D5185m		0	<1	0
	Phosphorus	ppm	ASTM D5185m	370	16	16	9
	Zinc	ppm	ASTM D5185m		0	0	0
	Acid Number (AN)		ASTM D8045		0.79	0.83	0.76
	Visc @ 40°C	cSt	ASTM D445	216.1	232	232	231





Certificate L2367

Lab Number

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0039747 : 06187646

Received **Tested** Unique Number : 11044398

Diagnosed Test Package: IND 2 (Additional Tests: PrtCount)

: 23 May 2024 : 24 May 2024 - Don Baldridge

: 22 May 2024

9978 FM 3129 QUEEN CITY, TX US 75572

GRAPHIC PACKAGING INTERNATIONAL

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