

OIL ANALYSIS REPORT

Area OCC AND PULP 423.0510 C-Blow Tank Agitator

Agitator Gearbox SHELL MORLINA S4 B 460 (15 GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

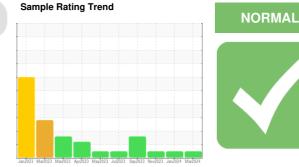
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 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.





		Jan2U23 Mar2U	uza marzuza AprZUZ3 MayZ	023 Jul2023 Sep2023 Nov2023 Jan	2024 Marz024	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0003956	PE0002926	PE0002994
Sample Date		Client Info		26 Mar 2024	05 Jan 2024	30 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		19	11	16
Iron	ppm	ASTM D5185m	>150	3	5	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	4	4	2
Tin F	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		19	9	1
Phosphorus	ppm	ASTM D5185m		173	239	239
Zinc	ppm	ASTM D5185m		14	0	0
Sulfur	ppm	ASTM D5185m		650	691	578
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	5	3
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	2	1	0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	5398	12436	1053
Particles >6µm		ASTM D7647	>5000	1501	2035	316
Particles >14µm		ASTM D7647	>640	60	73	19
Particles >21µm		ASTM D7647	>160	9	16	6
				•		0

ASTM D7647 >40

ASTM D7647 >10

ISO 4406 (c) >21/19/16

0

0

20/18/13

Particles >38µm

Particles >71µm

Oil Cleanliness

0

0

17/15/11

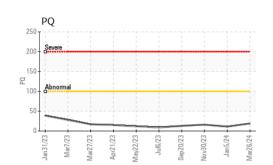
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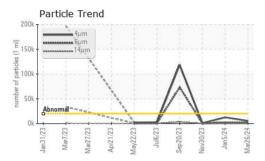
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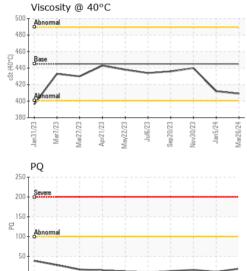
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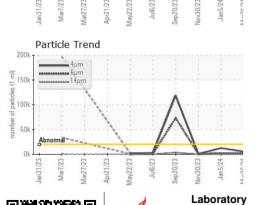


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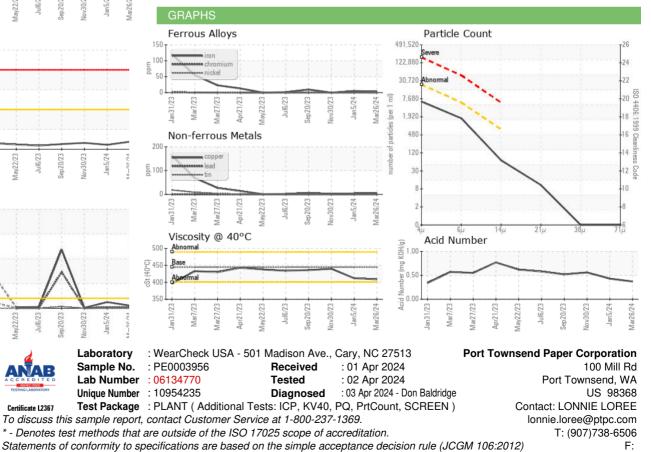
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FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.43	0.56
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	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	445	409	412	440
SAMPLE IMAGES	3	method	limit/base	current	history1	history2

Color



Bottom



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Submitted By: DUANE DENOTTA Page 2 of 2