

OIL ANALYSIS REPORT

Utilities Machine Id Keeler Feedwater Turbine West

Component Case Drain Turbine Fluid ROYAL PURPLE SYNFILM 46 (1 GAL)

DIAGNOSIS

Recommendation

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

🔺 Wear

The copper level is abnormal. All other 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 acceptable for the time in service.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0783919	WC0757622	WC0816926
Sample Date		Client Info		24 Jan 2024	30 Oct 2023	26 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.03	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	<1	1	<1
	ppm	ASTM D5185m	>4	0	0	0
	ppm	ASTM D5185m	>2	0	<1	<1
	ppm	ASTM D5185m		<1	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>10	0	0	0
	ppm	ASTM D5185m		0	0	<1
-	ppm	ASTM D5185m	>5	<u> </u>	<u>▲</u> 27	▲ 66
	ppm	ASTM D5185m	>5	<1	<1	<1
	ppm	ASTM D5185m	-	<1	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m		<1	21	7
0	ppm	ASTM D5185m		0	<1	3
	ppm	ASTM D5185m		3	<1	5
	ppm	ASTM D5185m		2	15	0
	ppm	ASTM D5185m		16190	17851	20819
CONTAMINANTS		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>15	<1	<1	<1
	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	>20	0	<1	2
FLUID CLEANLINE		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	4 34184	▲ 135747	▲ 5168
Particles >6µm		ASTM D7647	>640	<u> </u>	▲ 50404	▲ 1201
Particles >14µm		ASTM D7647	>80	▲ 1494	▲ 2614	▲ 67
Particles >21µm		ASTM D7647	>20	▲ 722	▲ 542	▲ 22
Particles >38µm		ASTM D7647	>4	▲ 184	▲ 17	2
Particles >71µm		ASTM D7647		<u> </u>	1	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u> </u>	4/23/19	▲ 20/17/13
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2
	mg KOH/g	ASTM D8045	0.25	0.36	0.36	0.34
	my non vy	101W D0040	0.20	0.00	0.00	0.04

Report Id: CORWIN [WUSCAR] 06075729 (Generated: 02/01/2024 18:35:58) Rev: 1

Contact/Location: MATTHEW KING - CORWIN



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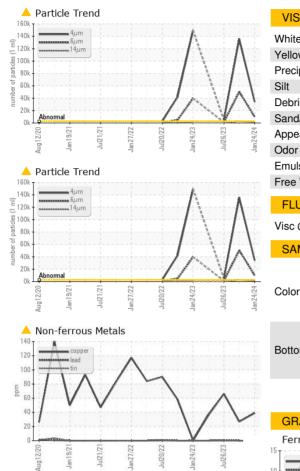
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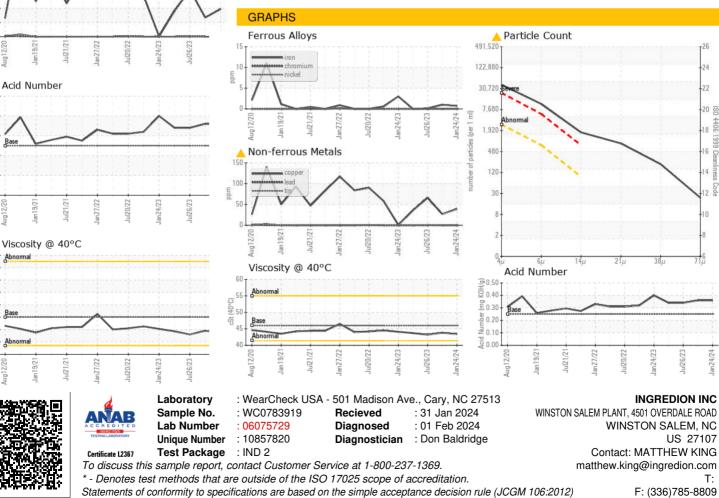
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.03	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	46	43.4	43.8	43.2
SAMPLE IMAGES		method	limit/base	current	history1	history2
				A	STR.	



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