

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **BDE UNIT 3 Excitation Transformer Oil (S/N BX00003-003)** Transformer Oil Fluid

ENVIROTEMP FR3 FLUID (1620 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

Fluid Condition

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

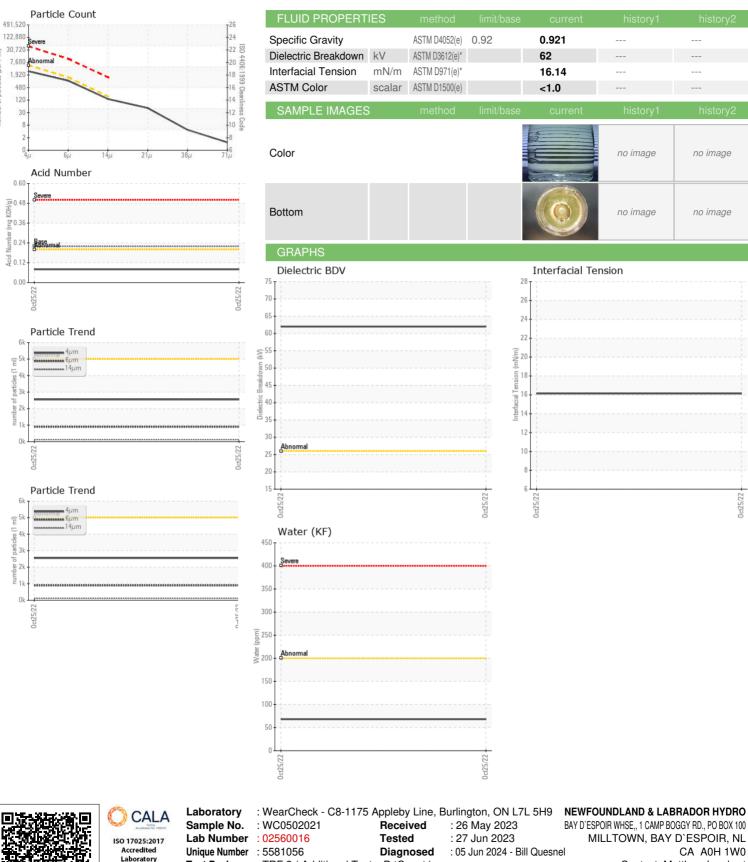
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0502021		
Sample Date		Client Info		25 Oct 2022		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINANTS		method	limit/base	current	history1	history2
Water	%	ASTM D6304*	>0.02	0.006		
ppm Water	ppm	ASTM D6304*	>200	68.2		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2552		
Particles >6µm		ASTM D7647	>1300	899		
Particles >14µm		ASTM D7647	>160	120		
Particles >21µm		ASTM D7647	>40	44		
Particles >38µm		ASTM D7647	>10	4		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14		
		()			history of	
DISSOLVED GAS ANALY	· · · ·		limit/base	current	history1	history2
DGA - H2	ppm	ASTM D3612(e)*		5		
DGA - O2	ppm	ASTM D3612(e)*		536		
DGA - N2	ppm	ASTM D3612(e)*		61811		
DGA - CO	ppm	ASTM D3612(e)*		27		
DGA - CO2	ppm	ASTM D3612(e)*		423		
DGA - Methane	ppm	ASTM D3612(e)*		3		
DGA - Acetylene	ppm	ASTM D3612(e)*		0		
DGA - Ethylene	ppm	ASTM D3612(e)*		1		
DGA - Ethane	ppm	ASTM D3612(e)*		164		
DGA - Total Gas Content	%	ASTM D3612(e)*		62970		
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*		200		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.22	0.08		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		



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number of particles (per 1

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Test Package : TRF 2 (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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