



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[413143678]

Machine Id

1000046166 - 7380-130 (S/N G15120-1)

Component

Transformer Oil

Fluid

ENVIROTEMP FR3 FLUID (2685 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. DGA could not be performed as syringes leaked during transit.

WEAR

(not applicable)

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

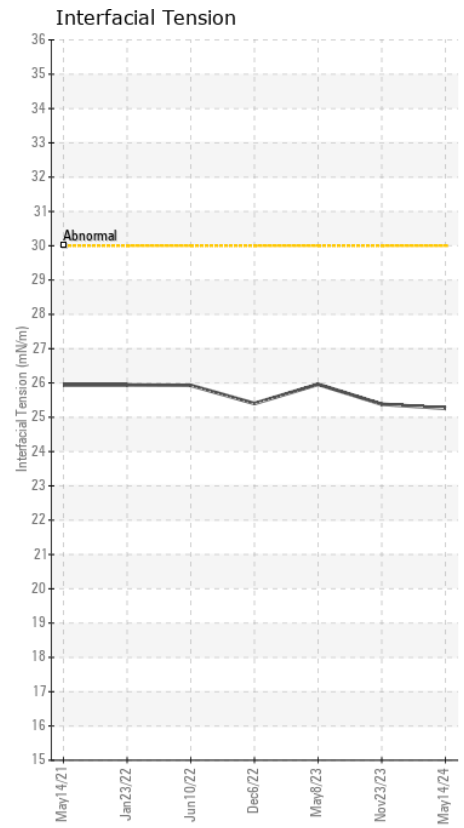
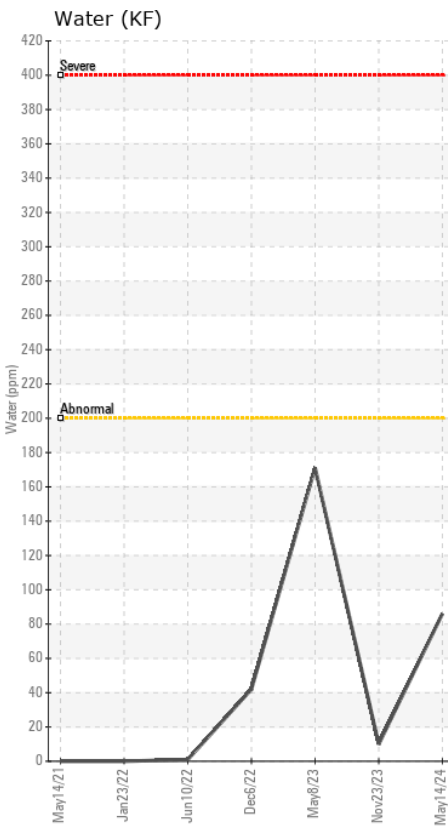
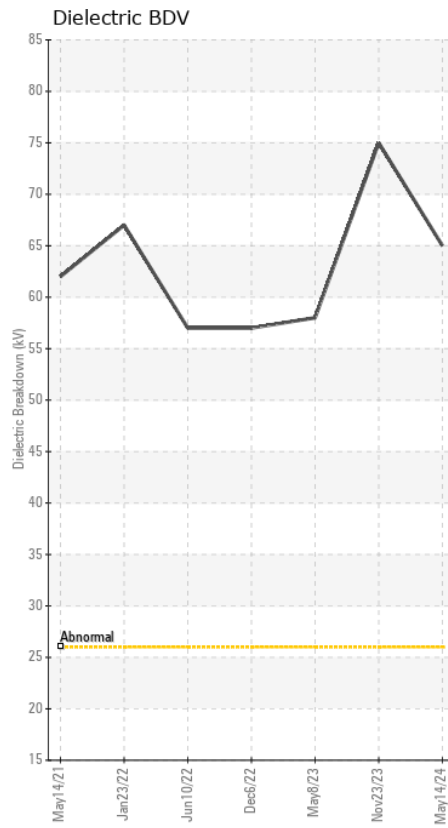
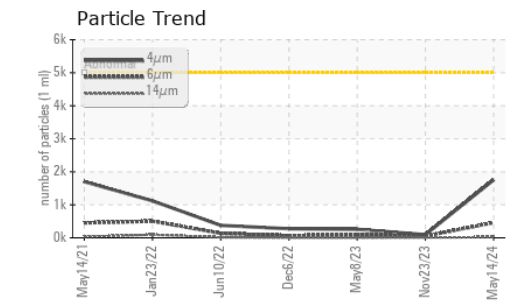
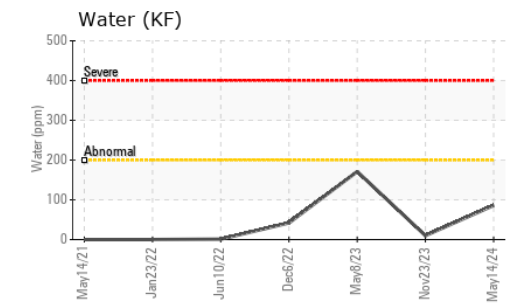
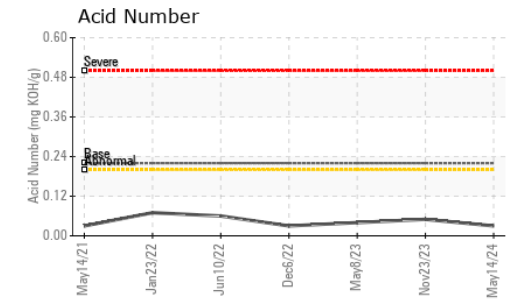
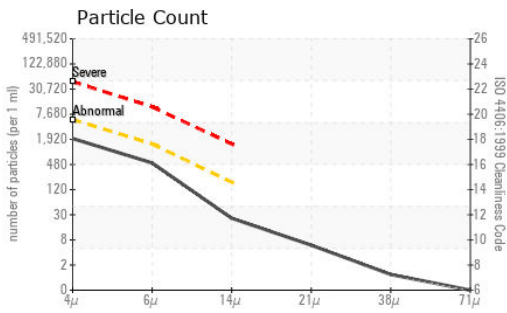
The AN level is acceptable for this fluid. The condition of the transformer oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0909161	WC0882002	WC0812614
Sample Date		Client Info		14 May 2024	23 Nov 2023	08 May 2023
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				NORMAL	ABNORMAL	SEVERE

White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Water	%	ASTM D6304*	>0.02	0.008	0.001	0.017
ppm Water	ppm	ASTM D6304*	>200	86	10	171.1
DGA - H2	ppm	ASTM D3612(e)*		---	13	25
DGA - O2	ppm	ASTM D3612(e)*		---	485	779
DGA - N2	ppm	ASTM D3612(e)*		---	44592	65348
DGA - CO	ppm	ASTM D3612(e)*		---	34	60
DGA - CO2	ppm	ASTM D3612(e)*		---	943	723
DGA - Methane	ppm	ASTM D3612(e)*		---	2	5
DGA - Acetylene	ppm	ASTM D3612(e)*		---	0	0
DGA - Ethylene	ppm	ASTM D3612(e)*		---	2	7
DGA - Ethane	ppm	ASTM D3612(e)*		---	▲ 119	▲ 219
DGA - Total Gas Content	%	ASTM D3612(e)*		---	46190	67166
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*		---	170	316
Particles >4µm		ASTM D7647	>5000	1756	95	258
Particles >6µm		ASTM D7647	>1300	459	50	94
Particles >14µm		ASTM D7647	>160	22	7	5
Particles >21µm		ASTM D7647	>40	5	2	1
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	14/13/10	15/14/10
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

Acid Number (AN)	mg KOH/g	ASTM D974*	0.22	0.03	0.05	0.04
Specific Gravity		ASTM D1298 *	0.92	0.926	0.919	0.921
Dielectric Breakdown	kV	ASTM D3612(e)*		65	75	58
Interfacial Tension	mN/m	ASTM D971(e)*		25.26	25.38	25.96
ASTM Color	scalar	ASTM D1500*		<1.0	<0.5	L0.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0909161 **Received** : 16 May 2024
Lab Number : 02636242 **Tested** : 21 May 2024
Unique Number : 5785404 **Diagnosed** : 12 Jun 2024 - Bill Quesnel
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.

Cargill Meat Solutions
 165 Dunlop Drive
 Guelph, ON
 CA N1L 1P4
 Contact: Jakub Posluszny
 jakub_posluszny@cargill.com
 T: (519)823-5200
 F: (519)823-5893