



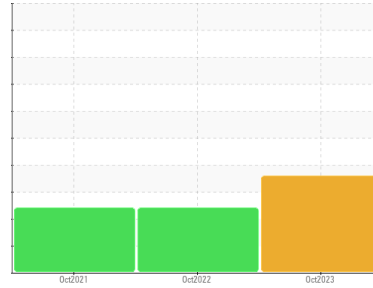
OIL ANALYSIS REPORT

Sample Rating Trend

COMBUSTION



Machine Id
PIONEER GEN 6 TRANSFORMER (S/N G16275-1)
 Component
Transformer Oil
 Fluid
NOT GIVEN (1935 LTR)



DIAGNOSIS

- Recommendation**
Recommend an early resample to monitor.
- Wear**
{not applicable}
- Contamination**
Carbon Monoxide >=350 (0.035%), Carbon Dioxide >=2500 (0.25%): Thermal decomposition of cellulose. All other gas values normal.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0850745	WC0752819	WC0630488
Sample Date	Client Info	04 Oct 2023	14 Oct 2022	20 Oct 2021
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	MARGINAL	MARGINAL

DISSOLVED GAS ANALYSIS (DGA)

method	limit/base	current	history1	history2	
DGA - H2	ppm	ASTM D3612(e)*	12	8	10
DGA - O2	ppm	ASTM D3612(e)*	1418	4832	841
DGA - N2	ppm	ASTM D3612(e)*	73750	64845	73341
DGA - CO	ppm	ASTM D3612(e)*	▲ 702	▲ 575	▲ 549
DGA - CO2	ppm	ASTM D3612(e)*	▲ 3512	▲ 2811	▲ 3040
DGA - Methane	ppm	ASTM D3612(e)*	8	7	8
DGA - Acetylene	ppm	ASTM D3612(e)*	0	0	0
DGA - Ethylene	ppm	ASTM D3612(e)*	13	10	10
DGA - Ethane	ppm	ASTM D3612(e)*	1	1	2
DGA - Total Gas Content	%	ASTM D3612(e)*	79416	73089	77801
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*	▲ 736	601	579

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---

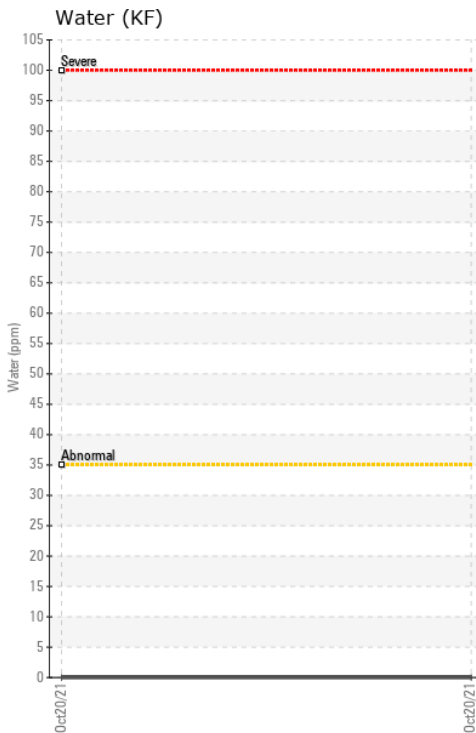
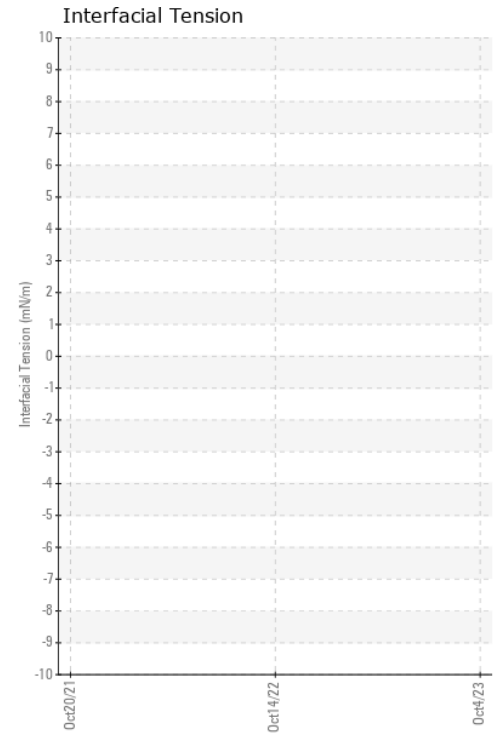
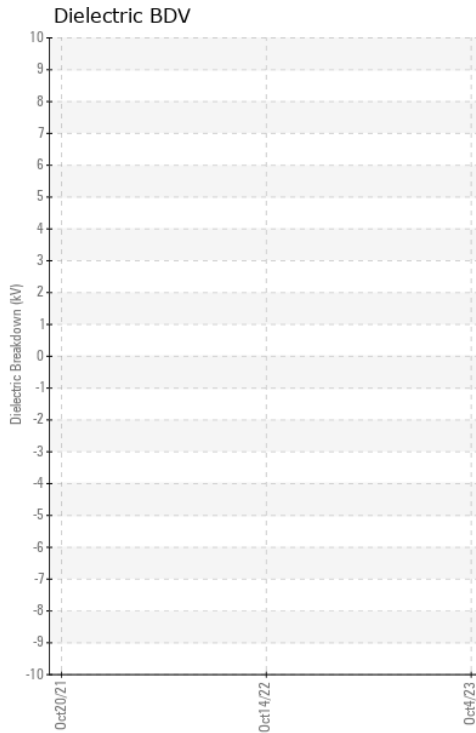
SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				<i>no image</i>
Bottom				<i>no image</i>



OIL ANALYSIS REPORT

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0850745 **Received** : 12 Oct 2023
Lab Number : 02588790 **Diagnosed** : 02 Nov 2023
Unique Number : 5657856 **Diagnostician** : Bill Quesnel
Test Package : TEST (Additional Tests: DGA)

BRODER ELECTRIC
 14 GRENFELL CRESCENT, SUITE 100
 NEPEAN, ON
 CA K2G 0G2
 Contact: Carly Joudoin
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 T: (613)224-1176
 F:

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.