



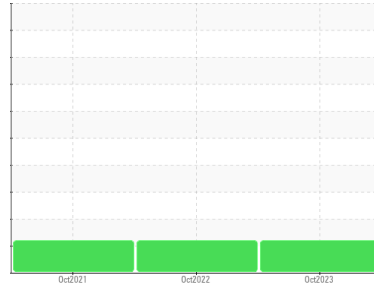
# OIL ANALYSIS REPORT

Sample Rating Trend

**COMBUSTION**



Machine Id  
**Pioneer GEN 1 TRANSFORMER (S/N G14062-1)**  
 Component  
**Transformer Oil**  
 Fluid  
**NOT GIVEN (1935 LTR)**



## DIAGNOSIS

**Recommendation**  
 Recommend early resample to monitor.

**Wear**  
 {not applicable}

**Contamination**  
 Ethane >=65 (0.0065%): Low energy arcing in a confined space. All other gas values acceptable.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0850740</b>	WC0752814	WC0630483
Sample Date	Client Info		<b>04 Oct 2023</b>	14 Oct 2022	20 Oct 2021
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	MARGINAL	ABNORMAL

## DISSOLVED GAS ANALYSIS (DGA)

	method	limit/base	current	history1	history2
DGA - H2	ppm	ASTM D3612(e)*	<b>19</b>	17	9
DGA - O2	ppm	ASTM D3612(e)*	<b>274</b>	491	288
DGA - N2	ppm	ASTM D3612(e)*	<b>71549</b>	67711	52559
DGA - CO	ppm	ASTM D3612(e)*	<b>244</b>	219	145
DGA - CO2	ppm	ASTM D3612(e)*	<b>2408</b>	2162	1769
DGA - Methane	ppm	ASTM D3612(e)*	<b>68</b>	53	43
DGA - Acetylene	ppm	ASTM D3612(e)*	<b>0</b>	0	0
DGA - Ethylene	ppm	ASTM D3612(e)*	<b>12</b>	9	8
DGA - Ethane	ppm	ASTM D3612(e)*	<b>▲ 138</b>	<b>▲ 96</b>	<b>▲ 111</b>
DGA - Total Gas Content	%	ASTM D3612(e)*	<b>74712</b>	70758	54932
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*	<b>481</b>	394	316

## 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	---

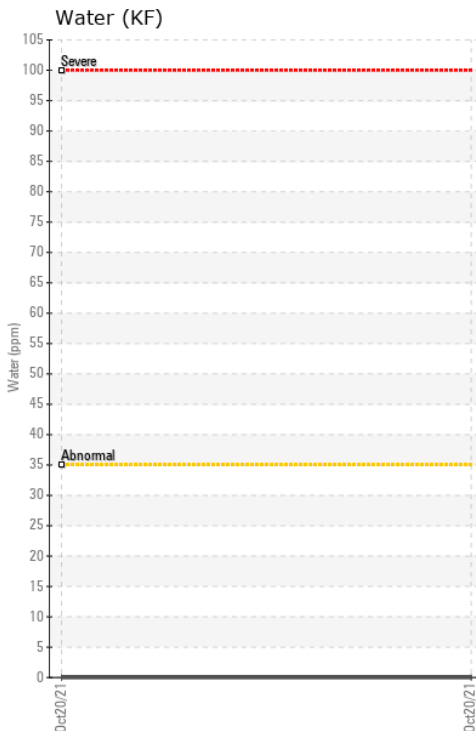
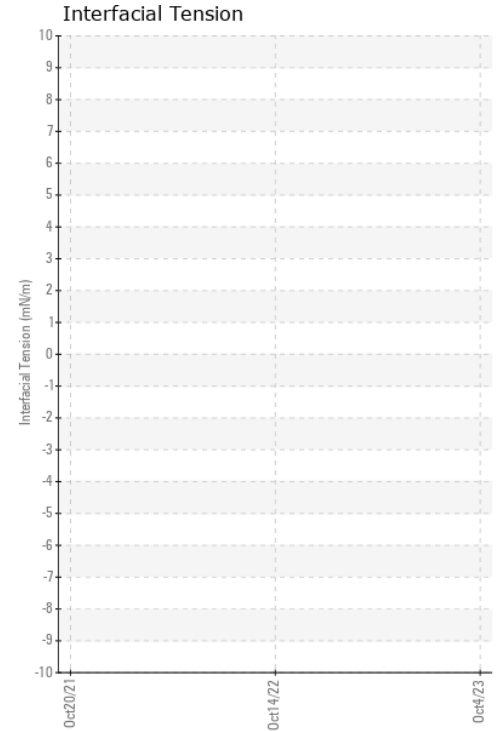
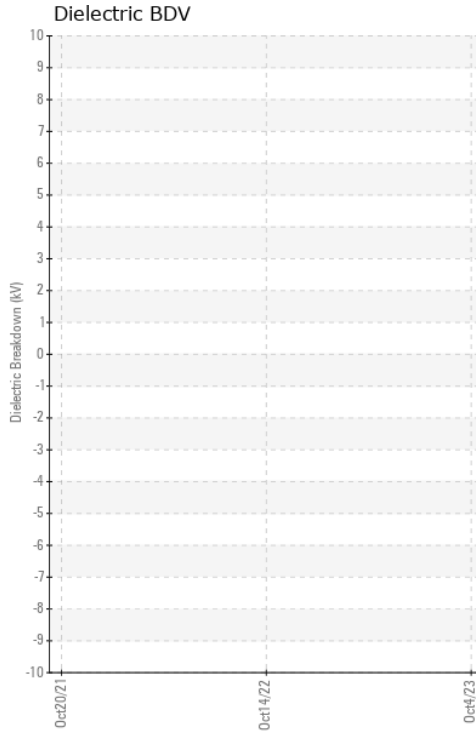
## SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					no image
Bottom					no image



# OIL ANALYSIS REPORT

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0850740 **Received** : 12 Oct 2023  
**Lab Number** : 02588785 **Diagnosed** : 02 Nov 2023  
**Unique Number** : 5657851 **Diagnostician** : Bill Quesnel  
**Test Package** : TEST ( Additional Tests: DGA )

**BRODER ELECTRIC**  
 14 GRENFELL CRESCENT, SUITE 100  
 NEPEAN, ON  
 CA K2G 0G2  
 Contact: Carly Joudoin  
 carly@broderelectric.ca  
 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.