



OIL ANALYSIS REPORT

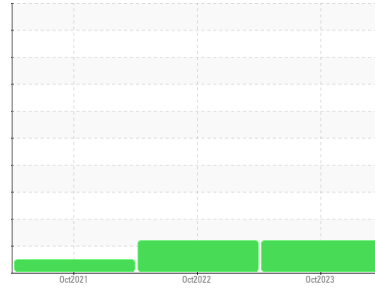
Sample Rating Trend

COMBUSTION



Machine Id
PIONEER STATION SERVICES (S/N G16332-1)

Component
Transformer Oil
Fluid
NOT GIVEN (2065 LTR)



DIAGNOSIS

▲ Recommendation

Recommend check for over-heating. Recommend check for any leaks with the atmosphere. Recommend and early resample to monitor.

Wear

{not applicable}

▲ Contamination

Oxygen =20000 (2%): Equipment or sample in contact with air.; Carbon Monoxide =350 (0.035%): General conductor overheating.;

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0850739	WC0752813	WC0630482
Sample Date	Client Info		04 Oct 2023	14 Oct 2022	20 Oct 2021
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			MARGINAL	MARGINAL	NORMAL

DISSOLVED GAS ANALYSIS (DGA)

	method	limit/base	current	history1	history2
DGA - H2	ppm	ASTM D3612(e)*	5	5	2
DGA - O2	ppm	ASTM D3612(e)*	20625	21658	13964
DGA - N2	ppm	ASTM D3612(e)*	55754	57976	37228
DGA - CO	ppm	ASTM D3612(e)*	▲ 360	▲ 351	196
DGA - CO2	ppm	ASTM D3612(e)*	1988	1810	1621
DGA - Methane	ppm	ASTM D3612(e)*	9	9	8
DGA - Acetylene	ppm	ASTM D3612(e)*	0	0	0
DGA - Ethylene	ppm	ASTM D3612(e)*	2	2	4
DGA - Ethane	ppm	ASTM D3612(e)*	0	0	0
DGA - Total Gas Content	%	ASTM D3612(e)*	78743	81811	53023
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*	376	367	210

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	---

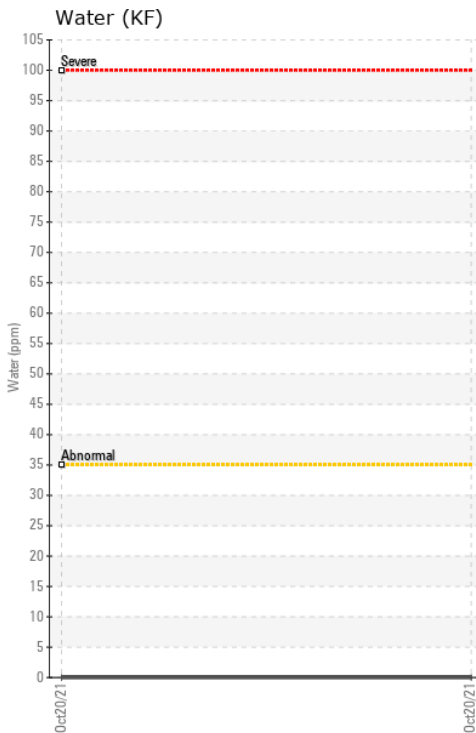
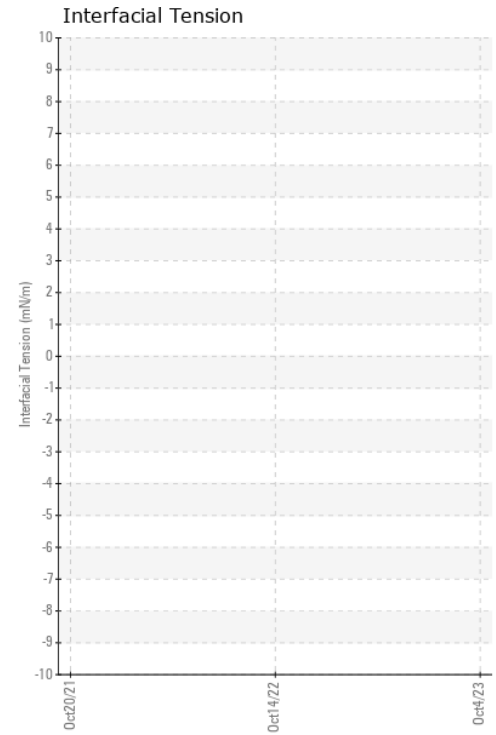
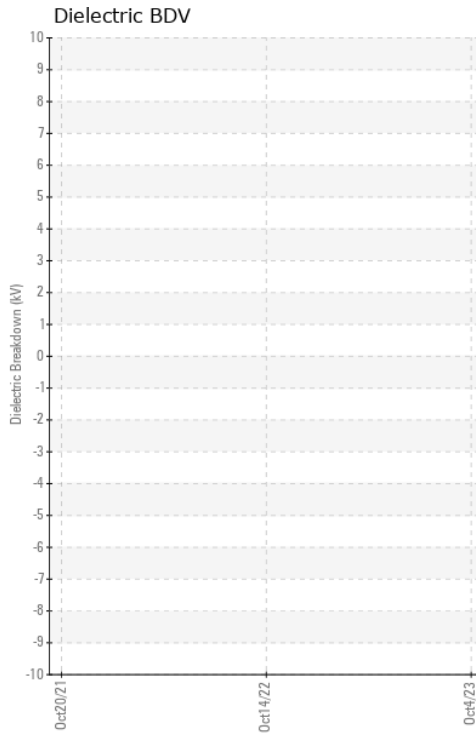
SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					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. : WC0850739 **Received** : 12 Oct 2023
Lab Number : 02588784 **Diagnosed** : 02 Nov 2023
Unique Number : 5657850 **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.