

# Buist Electric Testing

A Division of Buist Electric, Inc.



## Transformer/Oil Analysis Report

<b>Customer Name:</b>	Your Company	<b>Serial #:</b>	PCE0622
<b>Location:</b>	Your Town	<b>Phase:</b>	3
<b>Transformer:</b>	T-2	<b>Temperature:</b>	45C
<b>Location Description:</b>	North Northeast Corner	<b>Primary Voltage:</b>	12470
<b>Manufacturer:</b>	Siemens	<b>Secondary Voltage:</b>	480
<b>KVA</b>			

<u>Gas</u> - Test Results (PPM)	<u>Target</u>	<u>Current (10/30/02)</u>	<u>Previous (7/23/02)</u>
Hydrogen	< 500	4	4
Methane	< 100	22	18
Ethane	< 50	7	9
Ethylene	< 50	49	37
Acetylene	< 1	0	3
Carbon Monoxide	< 1000	99	85
Carbon Dioxide	< 10000	2153	2019
Nitrogen	< 150000	162648	69269
Oxygen	< 15000	45967	19600
Total Gas:		210949	91072
Total Combustible Gas:		180	157

<u>Oil Screen</u> - Description	<u>Target</u>	<u>Current Value</u>	<u>Previous Value</u>
Moisture	< 30	6	22
Interfacial Tension	> 26	44.9	40.5
Acid Number	< .200	0.002	0.005
Color Number	< 2	0.05	0.5
Visual Exam	Clear	Clear	Clear
Specific Gravity	< 1	0.884	0.885
Dielectric BV	> 26	50	45

### Comments:

It appears that the acetylene in this transformer has stabilized since tested on 7/23/02  
The level is stable but we recommend retesting in (6) months to confirm that the acetylene, nitrogen and oxygen levels are stable.