Warning: Undefined array key "te_title" in **/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php** on line **168**

Warning: Undefined array key "te_subtitle" in **/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php** on line **169**

Warning: Undefined array key 1 in **/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php** on line **171**

Warning: Trying to access array offset on value of type null in **/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php** on line **171**

Warning: Trying to access array offset on value of type null in **/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php** on line **171**

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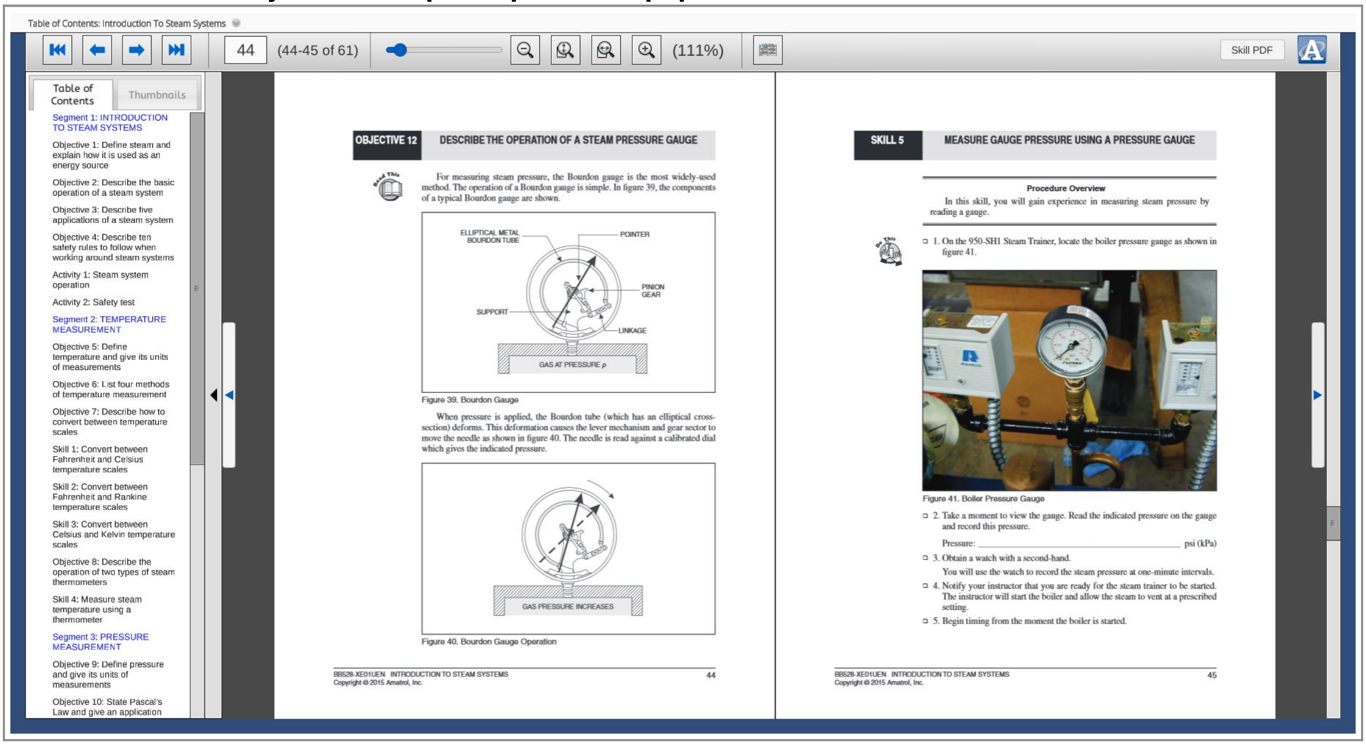

matrol's Steam Systems eBook course introduces learners to the operation, installation, maintenance, and repair of steam systems and their application in paper mills, commercial and residential settings, power companies, and even nuclear submarines. (References 950-SH1)

Steam Systems

What is the Basic Principle of Boiler Operation?
A boiler is used to generate steam for heating and power. In a boiler, heat is added to a container holding water. As the water is heated, it turns to steam at a certain pressure. The necessary basic components for a boiler are the following:

- **Container** – The container holds the liquid water and also contains the steam that is produced. The container is designed to withstand the heat and pressure of the steam and is referred to as a pressure vessel. Heat from the heat course is transferred to the steam through the pressure vessel.
- **Water Supply** – As steam is produced, the liquid water in the pressure vessel is diminished and must be replaced. The water supply supplies and regulates the boiler's water supply.
- **Heat Source** – Hear is required to generate steam. This heat source can come from the sun, electricity, gas, fuel oil, coal, or wood.

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