Technical Data Book: Chapter 14—Combustion

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SCOPE

Technical Report TDB-14 presents a comprehensive analysis of combustion, with an emphasis on the heats of combustion for various fuels such as pure compounds, refinery gases, liquid fuels, and coal. It offers detailed information including data sets, formulas, procedural guidance, and visual charts for quantifying gross and net heats of combustion, determining heat output from combustion processes, and assessing the calorific values of fuels. Additionally, the report features tables detailing the heats of combustion for specific pure compounds, along with classification data related to coal ranks.

Any references to other chapters within this document refer to the corresponding Technical Data Book Chapter which is published as API Technical Report TDB-x, where x is the chapter number.