

PILOT TEST AND THEORETICAL ANALYSIS OF ONE OR MORE COMPONENT FUEL

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The evaporation rate of different liquids is measured by exposing small droplets to an intensive radiative heat load. Three liquids are used namely water, n-heptane and rape seed oil. A mixture of n-heptane and rape seed oil (20/80 vol) is also analysed.

The sample results show the evaporation of different fractions of liquid for different wall temperatures and a constant counter flow of nitrogen.

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