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turbine is an internal combustion engine that uses air as the working fluid. The engine extracts chemical energy from fuel and converts it to mechanical energy using

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the gaseous energy of the working fluid (air) to drive the engine and propeller, which, in turn, propel the airplane.

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The gasifier (used as a compressor) ...

Fig 4 showing turbine engine as a cylinder of turbomachinery with unbalanced forces

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pushing forward. Components of a turbine engine The turbomachinery in the engine uses energy stored chemically as fuel. The basic principle of the airplane turbine

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engine is identical to any and all engines
that extract energy from chemical fuel.

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