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1-1 INTRODUCTIONThe internal combustion engine (Ie) is a heat engine that converts chemical energyin a fuel into mechanical energy, usually made available on a rotating output shaft. Chemical energy of the fuel is first converted to thermal energy by means of combustion or oxidation with air inside the engine.

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ENGINES Most of the very earliest internal combustion engines of the 17th and 18th centuries can be classified as atmospheric engines These were large engines with a single piston and cylinder, the cylinder being open on the end Combustion was initiated in the open cylinder using any of the various fuels which were available Gunpowder was often used as the fuel Immediately after combustion, the cylinder... that stimulated the development of the internal combustion engine was the pneumatic ...

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