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abstract the diesel engine invented in the late 19 th century by dr rudolf diesel is the most energy efficient powerplant among all type of internal combustion engines known today this high efficiency translates to good fuel economy and low greenhouse gas emissions

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this is different from a gasoline engine in two ways 1 gas engines introduce a mixture of fuel and air during the intake stroke and 2 in a diesel air is only drawn in during the intake stroke next the intake valve s closes and the compression stroke begins

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the diesel engine uses a four stroke combustion cycle just like a gasoline engine the four strokes are diesel engine howstuffworks com 2019 intake stroke the intake valve opens up letting in air and moving the piston down compression stroke the piston moves back up and compresses the air

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