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242 ELEMENTS OF HEAT ENGINES Vol.I double-acting, i.e. steam is admitted in turn to each side of the

piston and two working strokes are produced during each revolution of the crankshaft.

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Two main indicators of engine performance were investigated: firstly the ratio (referred to below as the "Steam Ratio"™) of the actual steam flow into the engine to the steam flow one would calculate from engine speed, swept volume to cut-off, and the specific volume of the steam);

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### **Pressure-volume diagram - Wikipedia**

An engine indicator is an instrument for graphically recording the pressure versus piston displacement through an engine stroke cycle. Engineers use the resulting diagram to check the design and performance of the engine.

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