

## HOW SMALL ENGINES WORK

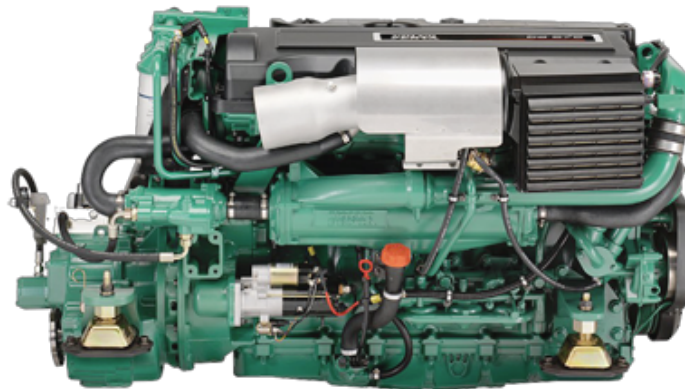
### Gasoline Engines

- If a gasoline engine will not start, it most likely is not getting fuel or not getting a spark:
  - Check the fuel tank
  - Make sure the shutoff valve is open
  - Check to make sure the choke is in the proper position
  - Always ensure that the engine and fuel tank spaces are properly ventilated.
  - The space must have a flammable vapor detector that operates just prior to engine startup and while the engine is running

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### Diesel Engines

- Typically more reliable for marine environments because they require no electrical ignition system
- If a diesel engine will not start, the most likely scenario is that it's not getting fuel:
  - Check the tank
  - Make sure the shut-off valve is open
  - Check the fuel filter



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Both gasoline and diesel have something in common:

- Propulsion engines must be water-cooled
- Fuel shut-off valves are required both at the tank connection and at the engine end of the fuel line
- The latter must be manually operable from outside the compartment