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In CI Engine as Soon as ful is injection to chamber it is reparized and mixed with air and two dimes full burn automaticely and Time Consumed in this is known as chemical delay. Knocking occur in SI Engine after the combustran Knocking occur in CI Engine sta beginning of combartran uncontrol combustion > the uncontrol : leviad of Rapid Combutton), Combutton Isalro Known as rapid combustoon. during delay beriad more amount of ful droplets comes out from the injector and group of draplets burn together in the in this produced uncontrolled combartoon Known as Knocking.

after some time the temp of combutton chamber is so high. Then as soon as the draplets of ful Entre in the Combutton chamber if burns inhantaniously, this is called contral combutton.

As a divide is the validite, there are some lockets of air fuel mixture which burn during Expension stroke is called as after burning.

The fector which control detonation in SI Engine increased detonation in CI Engine and hence good SI Engine & Ful is a bad CI Engine Ful.

| Factor Controlling of detonation for CIE | | |
|--|-------|--------|
| | CZ | |
| Self ignition comp | Low | high |
| Delay Perrod | Low | high |
| 2 ompression ratio | high | Low |
| Inlit Temp | high | Low |
| Inlet Parime | high | Low |
| Combustion Wall | high. | Low. |
| Temp, | 0 | |
| Speed CrPm) | Low | High |
| cylinder size | Large | small. |
| | | |

Reference

- Text Books
- V Ganeshan IC Engine, Sharma & Mathur IC

 Engine
- R.K. Rajput-Power Plant Engineering