



# Genuine Cummins Piston

## #BadhoBefikar



Converts the energy generated by combustion into reciprocating motion while ensuring proper sealing of gas and oil.



### Features

- Precisely machined profiles and clearances (in some cases as low as 20 microns)

- Closely maintained tolerances

- Accurate bowl geometry

- High strength alloy



### Advantages

- Smooth working of piston to pin and liner sliding interfaces
- Reduced friction and rubbing
- Precise working clearances enable gas and oil sealing

- Optimised piston motion and gas flow across the piston

- Ensures complete combustion

- Parts are more durable and reliable
- Ability to withstand temperatures up to 643K (370 °C)



### Benefits

- Long life up to 8 lakhs km with less wear
- Lower maintenance downtime
- Maximum power output with minimal losses

- Smooth, noise-free function
- Reduced oil consumption

- Full power delivery and long engine life
- High mileage

- Optimum performance over long life up to demonstrated 8 lakhs km
- Reduced breakdown



## Risks of Non-genuine Parts

- Bowl rim cracking due to low strength material usage (thermal fatigue)



- Skirt scuffing due to improper skirt profiles



- **Piston seizures** leading to part replacements leading to **unplanned downtime**
- **Low power and load capability**
- **Higher oil consumption**
- **Low power and load capability**



## Why use Genuine Cummins Parts



Demonstrated life of more than 8 lakhs km

3000+ hours of cumulative testing done to ensure premium quality of Genuine Cummins Parts

Rotating bending fatigue tests at temperature to 673K (400 °C)



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