



# Genuine Cummins Crankshaft

## #BadhoBefikar



Transforms the linear motion of the pistons into a rotational motion and transmits power to various parts of the engine system.



### Features

- Optimised journal, web and fillet dimensions

- Carefully selected material composition
- Induced hardening surface treatment

- Optimised counterweights

- Re-grindable crank journal and interface location



### Advantages

- Minimised bearing friction
- Lower bending/torsional stress

- High fatigue strength (7170 bar MPa bending fatigue, 1030 bar torsional fatigue)
- Handles worst-case loading like continuous rated load, overspeed, etc

- Improved main bearing performance and lower cylinder block bending
- Lower engine vibrations

- Reusability through reconditioning which delivers the same performance as new



### Benefits

- Near infinite life
- Improved fuel economy

- High durability

- Improved engine life

- Reduced TCO (Total Cost of Ownership)



# Risks of Non-genuine Parts

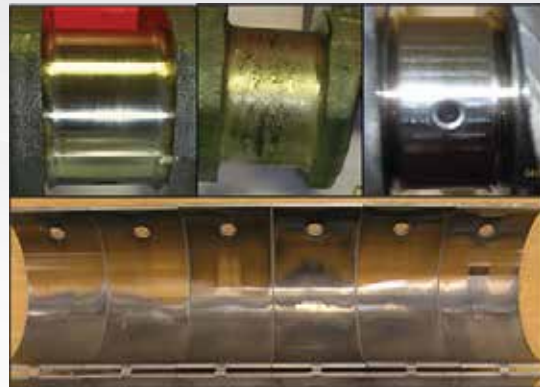
- › Crank failure due to wrong material selection with insufficient strength to handle all loads



Bending fatigue failure

Torsional fatigue failure

- › Bearing fatigue resulting from improper control over journals and non-optimised crank



- Non-genuine Crankshaft failures leads to major engine overhaul or even catastrophic engine failure



# Why use Genuine Cummins Parts



Demonstrated life of 7 lakhs km, typically designed for near infinite life

2000+ hours of cumulative testing done to ensure premium quality of Genuine Cummins Parts



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