

# Application Case Story

automotive  
industry

## APPLICATION:

Diesel Engine

## MATERIAL:

Meldin® 1003

## PART DEFINITION:

Oil Control Ring

## TECHNICAL DATA:

### TYPICAL DIMENSIONS:

5.50" Diameter Cylinder Bore;  
.25" Ring Thickness

SPEED: 550 feet/minute

COUNTERFACE: Cast Iron  
or 4140 Steel

LUBRICATION: Engine Oil

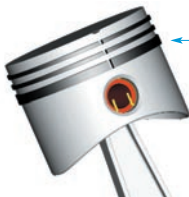
WORKING TEMPERATURE:  
300°F

## FEATURES / BENEFITS:

- Complex piston ring shapes can be made economically due to material being injection moldable
- Material has good wear properties
- Mating surface is not attacked by this material
- Material improves diesel engine emissions performance
- Material reduces vehicle weight



BUTT CUT PISTON RING



PISTON/CONNECTOR ROD

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