

# PROBLEM *Solver*<sup>®</sup> BULLETIN

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## Plastic bearings' initial smoothness gives way to wear

## Tie Rod Ends

### PROBLEM:

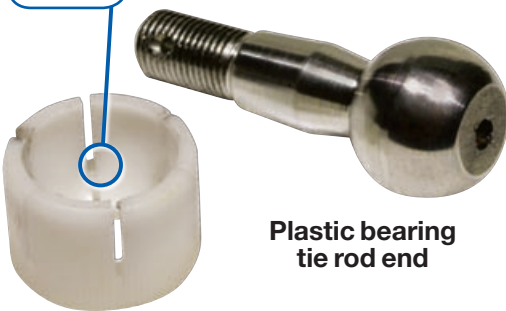
#### Plastic bearing tie rod ends

Tie rod ends with sealed plastic bearings feel smooth out of the box, but that initial smoothness comes with a price. Not even the best plastic bearing can hold up the way a metal bearing can.



Non-serviceable plastic design has failed due to intrusion and wear.

PLASTIC BEARING



Plastic bearing tie rod end



### SOLUTION:

#### MOOG<sup>®</sup> Sunoloy-coated gusher bearing tie rod ends



Many MOOG tie rod ends now feature patent pending Sunoloy-coated metal bearings. These bearings provide the smooth, out-of-the-box stud swing that technicians and drivers prefer, while offering a long-term durability typical plastic bearings can't match.

#### Stud articulation life cycle test:

MOOG coated metal bearing technology provides smooth, out-of-the-box stud swing, with 3X better performance than plastic designs (after 1 million test cycles).

#### Radial deflection life cycle test:

MOOG coated metal bearing technology maintains the OE-specification longer than the plastic design, with 3X better performance (after 1 million test cycles).

#### MOOG Sunoloy-coated metal gusher bearing tie rod end



THE PROBLEM SOLVER<sup>®</sup>

