

Tough Steel Sprocket Segments



Caterpillar® Tough Steel sprocket segments provide improved undercarriage system balance, reduced downtime, and the lowest cost per hour.

Improved wear life sprocket segments

Caterpillar now offers “Tough Steel” sprocket segments that provide significant wear life improvements over standard steel segments. Tough Steel sprocket segments:

- utilize a Caterpillar patented wear resistant material
- increase sprocket wear life and improve track bushing wear life
- provide improved bolt retention

Field tests indicate sprocket wear life can increase by as much as 50%. Tough Steel segments also improve bushing life by maintaining the proper relationship between the sprocket and bushing contact area, reducing the amount of sliding that occurs as the bushing engages the sprocket. As a result, bushing wear life increases by as much as 20%. Contact your local Caterpillar dealer for availability.



Tough Steel Sprocket Segments

In a recent field test in abrasive soil conditions, a D8 was equipped with Tough Steel sprocket segments on the left side and standard steel sprocket segments on the right side. Test results demonstrated that Tough Steel provided more than a 50% increase in sprocket wear life and a 25% increase in bushing wear life.

Tough Steel Segment



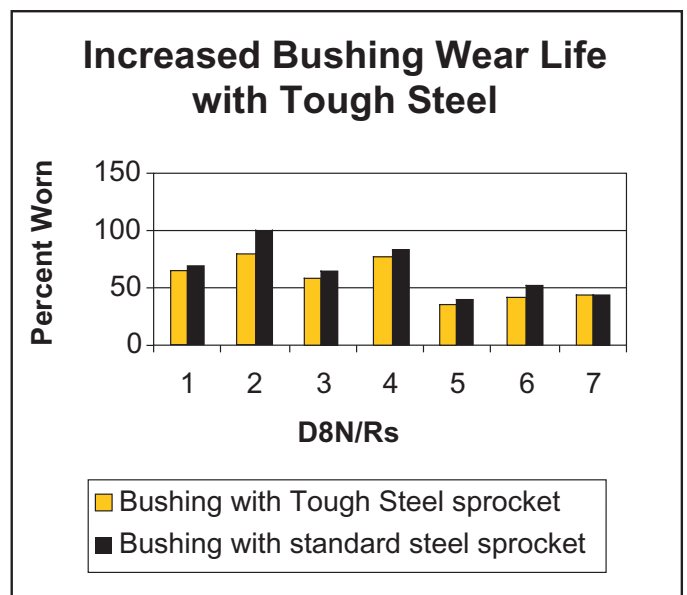
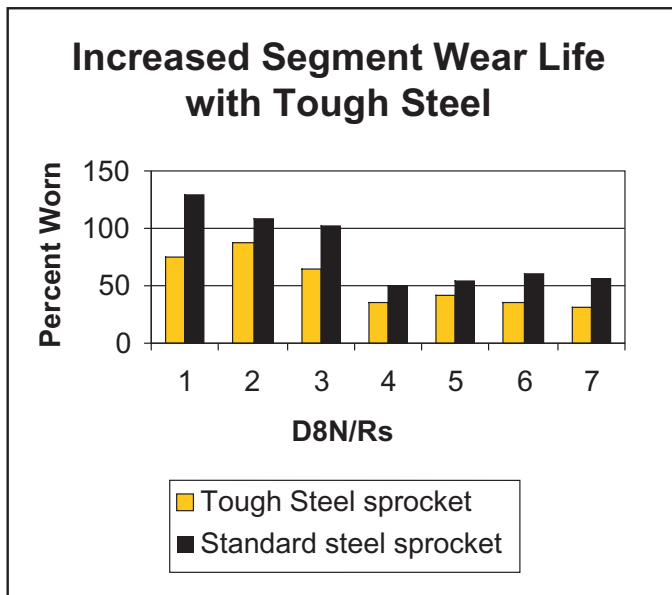
78% Sprocket Wear
80% Bushing Wear

Standard Steel Segment



130% Sprocket Wear
100% Bushing Wear

Similar field tests were conducted with seven different D8N/Rs. The machines were equipped with Tough Steel segments on one side of the machine and standard steel segments on the opposite side. The charts below show the percent worn for Tough Steel sprocket segments and the steel sprocket segments.



Tough Steel increased sprocket segment wear life by an average of 53% and bushing wear life by an average of 13%.