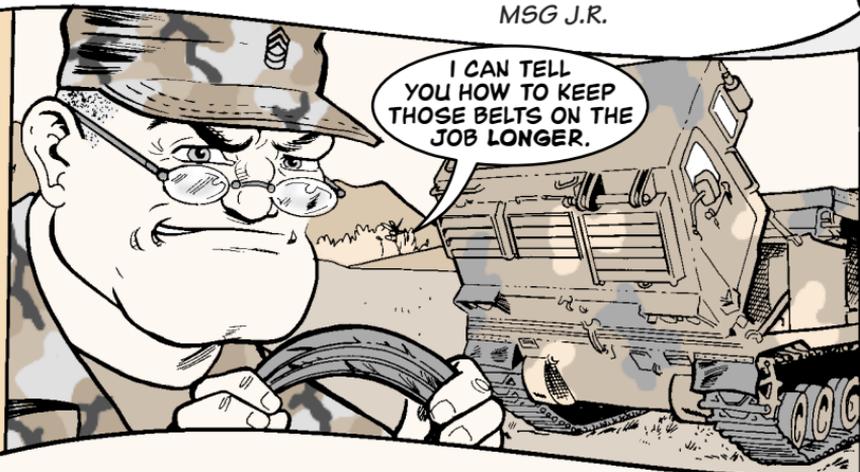


Take the Bite Out of Pulleys

Dear Half-Mast,

We have to change the belts on our MLRS second generators often. Even brand-new belts don't last very long. Any idea why this is happening?

MSG J.R.



Dear Master Sergeant J.R.,

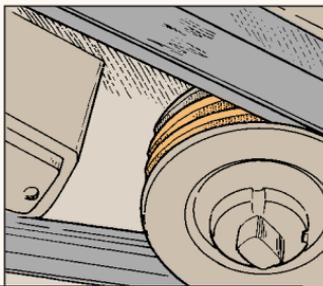
Friction is the likely culprit.

The belt passes over the second generator's pulleys at high speed. That builds up a lot of friction between the belt and the grooves on each of the pulleys.

Over time, the pulley grooves are sharpened by the friction. Those sharp edges then cut into the belt and ruin it. That's why a new belt fares no better.

The best quick fix is to file the tips of the pulley grooves slightly until they are flat again. Eventually, though, you'll have to replace the pulleys.

Half-Mast



Sharpened grooves on pulley...

...cut into belt

