

TECHNICAL BULLETIN ON MILITEC-1® FOR SPROCKETS AND CHAINS

February 16, 1993

This report comes from a packaging company in North Carolina that is a major supplier to R.J. Reynolds in Winston-Salem.

For the sprockets and gears in packaging equipment, wear has not been a problem. Lubrication is most important in preventing the seizure or 'freezing up' of the equipment which costs valuable downtime.

A situation arose recently where sprockets kept seizing up and yet the equipment could not be stopped long enough to install new parts. In this case, a servomotor, mounted on the main motor, serves to move a series of sprockets that in turn move slip rings. The sprockets were starting to seize up several times a day, and the regular lubrication was not able to solve the problem for more than a day at best. Lubrication was applied as soon as squealing or other signs of seizing became evident. After all other lubrication failed, Militec-1 was applied. This was over a month ago and since then there has not been any squealing or other signs of seizing although no more Militec-1 or other lubrication has since been applied.

The maintenance staff has made Militec-1 their solution solver as each time a bushing, bearing, sprocket, etc. starts to make noises or operate roughly, Militec-1 is applied and the problem disappears.

Before the company started using Militec-1, it was often difficult to install a tight bushing onto a shaft. Now, the maintenance staff apply Militec-1 onto the shaft and the bushing just "falls on".