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300 Industrial Blvd.
P.O. Box 1989 (75606-1989)
Longview, Texas 75602-4720
Tel: 903 758-9981

Tech Tip #5

Guardian HP Wheel Seals – Proper Installation Practices

All Stemco Guardian seals are pre-lubricated in the Stemco facility to provide the smoothest installation possible. While this provides ample lubrication in most instances, there are occasions where this lubrication will not be sufficient to ensure proper installation and seating of these high performance sealing products. Certain hub, seal, and installation conditions may cause the seal to experience abnormally high installation loading. Installations of this type may damage the seal, and will most certainly limit the high life potential of this product.

To avoid the possibility of seal damage and reduced component life, we **strongly suggest** that all OEM and aftermarket installations include a pre-lubrication step at the point of assembly. Lubrication should be completed as follows:

1. Install the seal onto the spindle shoulder per normal installation instructions
2. *Apply a thin coating of gear lubricant to the outer diameter of the seal*
3. Complete the installation per normal installation instructions

Adoption of this modified installation technique will help to insure that our customers receive the long life potential designed into the Guardian HP products.

This change has been made to all installation literature produced and distributed by Stemco Inc.

Jon A. Cox
Vice-President Engineering
Stemco Inc.