

August 2, 2001

Tech Tip #22

To: Sales & Marketing
From: Alan Dick
Re: 383-0164

We have identified an issue with a certain hub that the Voyager 383-0164 steer axle seal will not fit.

As stated by Product Engineering at STEMCO, "The depth of the hub bore on the Gunite HF805 is approximately 0.491". According to SAE, it is recommended for this depth to be .5", but it is only recommended. The other problem with this hub is that it has a big taper that reduces the depth to approximately 0.340" for interference purposes. The SAE standard does not talk about the taper.

STEMCO attempted in 2000 to solve this issue by lowering the beads to provide more interference to address the shallow hub bore depths, but it is not enough for this particular hub.

Therefore, Product Engineering has declared the following statement:

The 383-0164 Voyager and the 383-0264 Discover seals can not be used with Gunite Hub HF805. Alternate seals that are recommended for use in this application are:

- **382-8064 Standard seal**
- **308-0864 Guardian HP**

If you have any questions regarding this matter, please give me a call.

Alan Dick