CHECK IDLE ROLL BEARINGS
Period 1000 hrs.
Spin the roller by hand and check that it runs on freely and that there are no audible ticks from either end bearing. If there is any doubt as to these findings, the shaft may be removed and the bearings cleaned and checked visually.

Removing an Idle roller

With an assistant supporting the roller, remove the two socket cap screws from the frame, easing out the fish plate as the screws are withdrawn. Carefully preserving level and parallel, withdraw the roller from the machine to a clean workbench. Remove the socket head screw from the centre boss, withdraw the Boss from the stub shaft and remove the keeper plate (note that the boss on the keeper plate faces into the bearing).(Fig 2.)
Using a centre puller, remove the stub shaft and bearing from the housing. (Fig 3.)

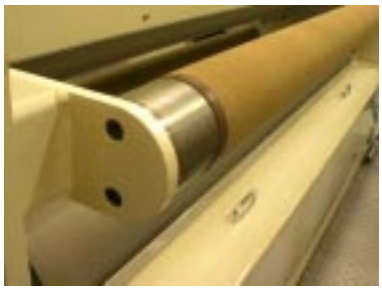
Degrease and visually inspect the bearing. if reusable, repack with Teflon Depositing grease (Note that on machines where idle drag is a function of performance, idle bearings are lubricated with a light machine oil to reduce running resistance - apply only machine oil).
Replace the bearing if required, and then refit by tapping lightly with an aluminium arbour, on the the bearing outer until its face is level with the housing.

DO NOT PRESS ON THE STUB SHAFT AS IT IS POSSIBLE TO PUSH THIS THROUGH THE BEARING!

Fit the keeper plate and boss, and using the centre Socket screw pull the completed assemby tight into the recess in the shaft.

Refitting

Generally the reverse of the removal operation. refitting will also require a two man team, an assistant holding the roller, while the cap screws are inserted through the machine support plate, roller fish plate, and into the Boss.
When all four support screws are hand tight, put a “nip” on one screw at each end, and use a rubber mallet and engineers level to level the roller. It may also be necessary to align the roller for parallel with the web train using an engineers tape, or a dial indicator gauge.



Typical Idle roller in place, showing the two retaining screws

Fig 2.

Fig 3
Removing the stub shaft

Bearing fitted on stub shaft