



HOW ARE YOUR RINGS?

Internal ring plugging, occurring with both sintered and solid steel (Herr type) rings, is progressive and has a very negative effect on production efficiency. Plugging is primarily caused by petroleum ring oil oxidation, but also by particulate matter in the oil and plant air, and by nylon and steel traveler wear debris.



THE PLUGGED RING CAUSES:

- Tension variation resulting in ends-down, chafed yarn, scrap yarn and a reduction in yarn quality
- Excessive, wasted electric power use
- High ring temperatures and an added load on air conditioning
- Decrease in traveler life
- Increased oil use and oil on plant floors
- Reduced productivity in real lbs/hr
- Damage to the ring

ABOUT RING CLEANING AND RING REBUILDING:



Simple solvent washing or ultrasonic cleaning by the plant only cleans the exterior of the ring and does not internally clean the ring. Many plants have attempted internal cleaning and almost none have succeeded; those that have succeeded have abandoned in-house cleaning because of the OSHA requirements on the use of strong reagents and EPA requirements on disposal of contaminants.

The Epic process of internal cleaning involves a complex series of chemical processes resulting in a certified, clean, and “like-new” ring. Epic Ring Service is the only full-service agency in the Americas cleaning rings and certifying its work with a Porosimeter. Rings are separated from the holders and chemically cleaned to new ring standards. Holders are also disassembled, cleaned and rebuilt with new parts (windows, buttons, springs, wicks, etc.). When required, rings are refaced. Also when required, broken or damaged rings are replaced with good rings, so that the plant receives back a full frame of “like-new” assemblies.

Costs of ring cleaning and rebuilding are about 20% of a new ring or ring assembly, and yield a certified “like-new”

condition.

RING MANUFACTURER RECOMMENDATIONS:

All sintered ring manufacturers recommend that rings be internally cleaned and rebuilt with new parts every 1.5 to 3 years, if they are run on petroleum ring oil. With pure synthetic ring oil, experience indicates that internal cleaning and rebuilding can be done every 3-5 years.

THEN HOW DO MY OLDER RINGS KEEP RUNNING?

Oil no longer flows through sintered porosity or through the solid steel ring passageways. Yet there is still some oil on the ring surface. Oil gets to the ring face intermittently by leaking from the reservoir and by back-pressure leakage created by oil within the ring, expanding oil toward both ring ID and OD as heat builds in the ring.

Oil is also pulled to the ring surface by a partial vacuum caused by the rotating bobbin and yarn. This partial vacuum works on the same principle as cigarette smoke being pulled from a moving car once the window is opened.

For more valuable information regarding ring cleaning, please email epic@epicenterprises.com and request free copies of our Ring Tips. These can also be located on our website: http://www.epicenterprises.com/techinfo_rings.html.



Mike Whitaker
Ring Service Manager

You can also call or email our Ring Service Manager, Mike Whitaker, directly at mike.whitaker@epicenterprises.com with questions!

DO YOU KNOW OF OTHER STAFF MEMBERS WHO WOULD BENEFIT FROM OUR NEWSLETTER?



We would be happy to mail hard copies of our publication or send it to interested parties electronically.

Call 910-692-5750 or email epic@epicenterprises.com. Our newsletter is published four times a year and archived issues can also be viewed on our website at this web link: http://www.epicenterprises.com/techinfo_newsletters.html.

WHY IS IT IMPORTANT TO KEEP EPIC INFORMED OF PERSONNEL AND MACHINERY CHANGES AT YOUR PLANT?

Epic works hard to try and keep our customer database information current. It is our lifeline to our valued customers! It is a difficult job with plant closings, mergers, personnel changes, new machinery purchases and equipment moves. We would love to have your help!



So, why would it benefit your company to help us keep our database current? There are several reasons; we will briefly mention just a few:

- It allows us to keep you informed of any new parts we add for your machinery and get this information in the hands of designated key personnel fast.
- We send only what information you need—nothing more; nothing less.
- Having the correct machinery information on file helps our staff assist yours in getting the right parts! The machine type, model and or series is often critical information when a part number is not provided or available. With current machine information, our staff can expertly assist your people and save you money and time!
- **Request For Quote (RFQ)** time is reduced significantly when we have detailed information on file—especially for project quotes.



Kris Berry
Marketing Manager

To update your company profile information, simply contact me at epic@epicenterprises.com and request an UPDATE FORM. Better yet...assign the task to someone in your organization, have them put it on their e-calendar, and do it yearly. We promise it will be worth your effort!

We *appreciate* and *value* the opportunity to serve you!

Thank you!
Kristen K. Berry
Marketing Manager

CAPSULE EJECTORS FOR VOLKMANN

Beginning with the series 4 twisters (BA4), the air tension device was changed. It is now necessary to use a capsule ejector to remove and replace the capsule. This tool is specifically made for this purpose. The long tip is used to push the capsule out of the housing while the base of the ejector is used to put the new capsule in the housing. For tension devices with the long entry tube, use EE481609. The tension devices with the standard or shorter entry tube, use EE481610. (See Photos)



EE481609
Capsule Ejector
05 BA4/BA5/BA8
06-09 BA5

Caution: Using other tools for this purpose will damage the capsule and tension devices.



EE481610
Capsule Ejector
06-09 BA4

REPLACING TIMING BELTS AND GEARS



When replacing timing belts on any machine, the technician should always check the timing belt gears the belt is in contact with. Putting a new timing belt on worn gears will cause the timing belt to wear prematurely. The opposite is also true. Pairing new timing belt gears with a timing belt that is already worn will wear the new gears prematurely.

EPIC WELCOMES PAM RUSSELL

Pamela Russell joined Epic in Accounting in November!

She resides in Cameron, NC with her husband of 25 years, Gene. They have 3 children: Maegan 24, Jonathan 22, and Sara 20. All of the kids are off and in college. Their visits are anxiously awaited and enjoyed.



Pam Russell
Accounting

Pam enjoys cooking and logic or jigsaw puzzles.

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