



Product Information

EPIC ENTERPRISES, INC.

RING CLEANING: CASE IN POINT

Recently a customer sent in six twisting rings for a no charge lab evaluation to determine the porosity and general condition. The results are shown and interpreted below:

Porosimeter Data:

New Eadie PSM 70 ring as a control
 Customer rings, incoming averaged
 After cleaning, Eadie rings averaged
 After cleaning, Merriman rings averaged

Porosimeter in seconds:

+/- 18 Seconds
 3600 Seconds
 16.5 Seconds
 9.5 Seconds

Interested in a free lab evaluation on your rings? Contact Mike Whitaker, Ring Service Manager for details:

epic@epicenterprises.com

Interpretation:

Acceptable-Do not need cleaning. < 60 Seconds
 Impaired-still bleeding 60-240 Seconds
 Very Impaired-need cleaning immediately > 240 Seconds



*This indicates no oil or air pressure drop in more than an hour. Oil cannot pass through the ring as designed, rather, oil gets to the ring face intermittently by leaking around the ring. The intermittent supply of oil to the traveler means variations in tensions up and down the frame. These variations lead to broken ends or damage to filaments within the yarn bundle. Plugged and leaking rings also contribute to house keeping problems, plant safety, increased oil usage and decreased traveler life. Optimum bleeding of rings should be somewhere below 50 seconds.

As you can see by the test data, the rings were completely plugged. However, the rings cleaned very well, and original porosities were restored! Customers can then prove the effectiveness of ring reconditioning by letting us clean a frame of their rings. Then, compare this frame to other frames for ends-down frequency, and total yarn quality.

Travelers operating on dry rings can and will damage the ring face by chatter-marking the surface and scalloping the bottom radius of the ring. These surface damages can usually be removed by lightly refacing the ring. If we find that any of your rings require this procedure, there is an additional charge per inch of ring diameter. Should this be determined, we will contact you for authorization in writing, before proceeding.

We recommend using Synthetic PAO ring oil in new and/or reconditioned rings. Oxidation of petroleum ring oils can completely plug sintered rings within two years. Synthetic oils will not oxidize, and you can expect four to five years between cleaning.



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