



Welcome to ISS Solutions, Parker's Integrated Sealing Systems (ISS) newsletter.

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Welcome to the April 2014 issue of ISS Solutions. Since our last newsletter the clocks have gone forward and unbelievably, spring has arrived...

We would like to start by thanking you, our readers for your messages and questions.

eBusiness- Making It Work

The ISS marketing team has been working diligently on various eBusiness projects. A lot of work has gone into updating our current division website while simultaneously transitioning into WebSphere. Starting with our manway gasket, soon to follow ISS will be adding its hygienic sanitary gasket and ChemCast series of piston seals to WebSphere. This transition has enabled ISS to create product series that illustrate products in a more meaningful, industry specific manner. Not only does this create a more user friendly and interactive experience it has the added benefit of improving that products exposure on search engines such as Google and Yahoo.

Our most recent manway blog (click below) continues to illicit high volumes of views and discussions on numerous social media forums. Coupled with all the website updates, ISS is seeing record numbers of website hits. More importantly, ISS is receiving equally high volumes of direct inquiries and sales.

Last but not least, ISS is utilizing Eloqua as a marketing automation tool. Used to create and send various electronic correspondences (newsletters, mailing campaigns, trade-show invitations), Eloqua prevents hard bounce backs from invalid email addresses and tracks click-through rates among many other fantastic features to ensure successful campaigns.

Check www.parker.com/iss and www.blog.parker.com/sealing-shielding often for website updates, upcoming events, and new blogs.



Before



After



Program Highlight - Using FEA to Solve Problems

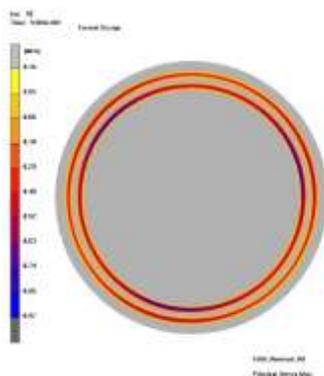


Figure 1



Figure 2

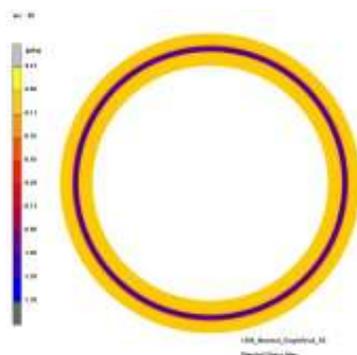


Figure 3

A customer came to ISS with an issue on a plastic over-molded cover. The cover is inserted into a stamping and turned 30-degrees to lock the part in place and activate the seal. What the customer found was that some parts leaked. In addition, the plastic component would deflect erratically.

After gathering all of the pertinent information for the specific application, Parker's engineering team conducted 3-dimensional FEA's to evaluate what was taking place and found that when compressed, the sealing pressure was non-uniform around the circumference of the seal bead (as shown in Figure 1). In addition, the dual-bead design was creating a significant amount of deflection in the plastic (as shown in Figure 2).

Parker's ISS Division was able to use this analysis along with verification of the issue in its functional test lab to redevelop a design. The latest design now has a single bead and surface area of the seal. The updated stress concentrations can be seen in Figure 3.

While 3-dimensional FEA's can be time consuming and are not always needed to resolve an issue or answer a question, they can be used effectively to better understand an application and predict what impact geometry changes can have on a design. In this particular instance, combining the 3-dimensional FEA with the ISS Division's functional test lab capabilities enabled ISS to duplicate the issues the customer was experiencing and provide a level of confidence that the new design would resolve the issue and improve sealing.

For further information on how Parker ISS can help you solve a sealing system issue, please feel free to contact Katrina Fields (kfields@parker.com), Emanuel Guerreiro (emanuel.querreiro@parker.com), or Bob Dubiel (rdubiel@parker.com) or click on the link below.

Click here



I Am Parker News

Parker Bucks is a recognition program for employees exhibiting high performance. Parker employees can recognize fellow employees for going above and beyond at work - flexibility, teamwork, positive behavior, etc. Every week the nominations are reviewed by the High Performance Team and again by the Human Resource Manager. Each recognized employee receives 3 Parker Bucks, once 15 Parker Bucks are accumulated they can be redeemed for gift cards to Wal-Mart, Regal Cinemas, Cold Stone Creamery, Subway, Outback Steakhouse, Cracker Barrel, or Applebee's. Photos of recognized employees are aired on televisions throughout the division.



According to Frank Hawkins, Dye Setter, " Parker Bucks promotes team players." Frank has been nominated for teamwork, flexibility, and cleaning up.



Penny Rucker, Push-in-Place Lead, "I like being recognized. I was recognized for changing out the bags at the end of the machines and for helping the Division Engineering Manager prepare the floor for testing prep."



"Parker Bucks is a way to express gratitude, which helps promote positive attitudes. A way to say "thank you" to the employees."

- Danny Smith, Maintenance

Did you know ?

Employee Spotlight

In each issue we will introduce one of our many employees working hard for our customers every day.

In 1940, only .4% of the rubber used by American companies was synthetic. Production of one type of synthetic rubber increased in the U.S. during the war from 3,721 tons in 1942 to 756,042 tons by 1945. By 1950, the use of synthetic rubber outpaced natural rubber. Today more than 70% of rubber production utilizes synthetic rubber.



Blanca Leticia Corona, Matamoros, Mexico, has worked at ISS for 18 months and is a Machine Operator/ Part Inspector. Blanca was born in Jalisco, Mexico, where she frequently attended "charreadas" horse tricks, bull fights, charro singers, horse races, and Mexican folkloric music.

Her hometown hosts festivities from April 25th to May 1st each year, people from all over Mexico and tourists attend. She is the mother of an 18 year old and a 16 year old. When asked what would be the first thing she would buy if she won the Mega Jackpot, she answered excitedly, "OH... I would travel! First, I would go to Jalisco, then Mexico City and go shopping. I would buy a new home. My kids have a lot of talents and I feel I have not been able to give them what they deserve, so I would get them a good education, nice clothing, and two new cars."

Blanca's favorite thing about working at Parker is the friendly environment, fellowship among coworkers, and motivation. She said, "At Parker we celebrate Mother's Day on the 10th of May. We play, dance, a comedian performs, and we have a lot of fun. Parker also celebrates Family Days, in which the employees' families participate in games, go swimming, and enjoy a good time. They also organize "Walk/Run" events for the entire family. We have lots of fun."

She likes Football (not the American variety) and her favorite team is Chivas because they are from Guadalajara. When she was younger she went to the Soccer Stadium several times to see her favorite soccer stars. She enjoyed spending time with her family and seeing the crowd. Blanca has a collection of regalia from her team, including t-shirts, key chains, flags, and figurines. Her favorite television show has actors, dancers, food recipes, jokes, and games and is called "Venga la Alegria" (Welcome Fun). In her free time, she enjoys playing volleyball with her kids and watching her children sing and play the guitar at their school. She also enjoys going to parties with her kids and "Sweet Fifteen" celebrations.

This message sent to DMeadows@parker.com

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