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**Professional
Plating Inc.**

An Endries Company

A Striking Finish

December 2011

Electronic Newsletter

In This Issue

- Community News
- Powder Corner
- Zinc Department
- Team Member
Spotlight

Happy Holidays!

It's hard to believe another year has passed. Time seems to fly by at light speed.

All of us at Professional Plating Inc. wish you and all of your team members a very Merry Christmas and happiness in the New Year. We appreciate your business and hope that we have exceeded your expectations this year. If we have, please tell others. If we have not please tell us. Our success is based on your success. Our focus each year is to become better. Thank You for being part of our success. We all look forward to another fantastic year in 2012. From all of our team members thanks again for all your support in 2011.

Reaching out!

Professional Plating prides itself on being a strong member of the community. Just recently PPI participated in several community events with great success. Our team members enjoy pulling together to help support our local charitable organizations.

- **PPI Supports Breast Cancer Awareness**
In cooperation with the Brillion Chamber of Commerce, Professional Plating recently supported Breast Cancer Awareness Month by encouraging Team Members to WEAR PINK. Teams were created as part of an in-house competition. The response was overwhelming! Most of our team members were wearing pink. It was quite a sight to see. Points were eared for combining the number of clothing articles each team wore. The winning team won a small prize.
- We had another fund raiser for one of our Team Members. He was involved in an accident and his Team Members came together to raise a good deal of money for him. Raffle tickets were sold and we had the opportunity to deposit our tickets into a blind auction next to any or all of the 40 plus items up for grabs. The creativity of some of the gifs was quite amazing. Most of the gifts centered on the Halloween Holiday. So in some cases it was a spooky good time.

Contact Us

920-756-2153

Check Us Out On The
Web At:

Professional Plating

Specialty Coatings

Acrylic E-coat

Barrel Zinc

Black Oxide

Epoxy E-Coat

Powder Coat

Pro-Advantage

Pro-Dura Clear

Rack Zinc

GM Approval

Professional Plating respects the time and privacy of our customers, in no way is this update meant to be spam mail.

If you no longer wish to receive a quarterly electronic update from Professional Plating please click the following link.

To Opt Out

- Once again it is time for our annual Holiday Food Drive. Our Team has supported the local food pantry with food donations and Professional Plating will again make a monetary donation to the food pantry to be used toward the purchase of meat products. We look forward to filling the pantry's shelves.



Powder Corner



Bob Zipperer

Manager of Powder and Specialty Coatings

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▲ The Powder coat department is continuing to strive for repeatable and consistent performance. We are investing time and expertise to look for continuous improvements to make the process work better. Recently, we hosted a consultant from Nordson who spent a week with us to review and offer continuous improvements for our paint room. With his help, we have developed an action plan list of items to utilize our existing equipment better. We are developing more stringent PM measures to make sure our equipment is in tip top shape on a daily basis. He also spent time reviewing our painting techniques so that our painters are consistent in their application of the powder.

Some of the recent improvements we have added to the Powder coat department include:

Defelsko PC Thickness Checkers. We have recently bought two of these testers. They allow us to check the thickness of the uncured film to be able to better dial in the paint booth settings and manual painting techniques.

Static Ion Blowers – We have added two of these blowers to the entrance of the paint room to remove dirt from parts that may have been attracted to the parts through a static charge. We have seen immediate improvements on first pass yield on primed e-coated parts.

Future improvements. The Powder coat department is looking at the cost and potential gains we may get by upgrading our equipment to newer technology painting booths. These booths allow rapid color changes with improved contamination prevention. Will have more updates as this progresses.

Professional Plating has recently been approved as a John Deere supplier for high temp coatings. We went through a detailed two day audit with them. We hosted several different companies for tours and audits during the month of December to bring their parts in for trials. This has the potential for quite a bit of work to keep our second shift rolling.

Zinc Department



Rob Ansems
Zinc Business Manager
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Salt Spray Test for corrosion resistance

▲ We get many questions asking about salt spray hours on our various zinc plated finishes. First off I would like to explain the industry standard for comparing different corrosion resistance finishes in salt spray testing.

Salt Spray testing is a standardized method used to check corrosion resistance of plated samples. The test involves the spraying of a 5% salt (sodium chloride) solution onto the samples being tested inside a temperature –controlled chamber. Since the spray is continuous, the samples are constantly wet, and therefore, constantly subject to corrosion. The appearance of corrosion products or oxides is evaluated over a specific time period.

In zinc plating, the first appearance of corrosion is referred to as white rust, indicative of the whitish oxides from the corrosion of the zinc plating. There is a small correlation between the salt spray hours and the expected life of the plating but is most influenced by many external factors, like storage conditions or sub assembly that may damage the finish. Salt spray testing is a qualitative test that can be only used to compare the corrosion resistance of different finishes. Therefore as an example, a zinc clear finish lasting 12 hours in salt spray testing will have less corrosion resistance than zinc yellow which lasts 96 hours.

At Professional Plating we provide various zinc plated finishes to meet your corrosion resistance needs. Below are our finishes and what salt spray hours our internal testing has proven to white corrosion (rust). Professional Plating finishes exceed all ASTM standard requirements.

48 hours – Barrel clear

96 hours – Rack clear

120 hours – Barrel and rack black, Barrel Pro-Dura Clear & Barrel yellow

144 hours – Rack Pro-Dura clear

200 hours – Rack yellow

Repeatable and Consistent!

Team Member Spotlight



Kerry Behnke
Quality Coordinator

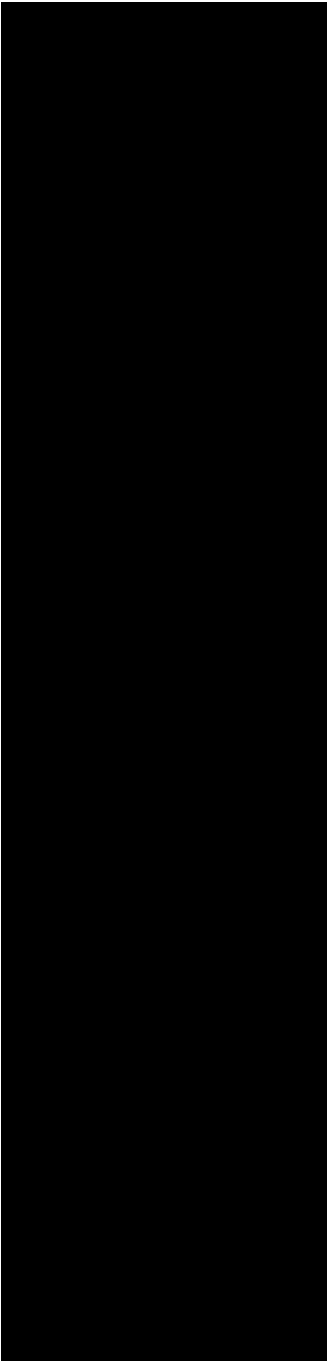
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▲ I have been at Professional Plating for over 13 years. I became the Quality Coordinator in January 2011. Prior to this I worked in the zinc area as an Operator of the sorting department.

I have met many of our customers and talked to many on the phone in the last year. I look forward to meeting and talking to many more in the coming year. It has been great to continually learn about different parts and talk to customers, to add value for our customers.

The quality department works very close with the process lines. We are always working on different things internally to make things run smoother and get the customer their product with the best repeatable and consistent finish.

The one thing that quality is really focusing on is first pass. We are more then ever looking at parts and trying to get to the root cause of why we have rework, this might at times require us to ask customers for an MSDS to see what lubricants and oils are on the parts; water soluble is what we need. It will at times have us asking customers for updated acceptance criteria, parts we have done for years could have acceptance changes. Both of these questions will help Professional Plating get customers their product with the best finish.



We get many requests for extra or special documentation. This could include initial submission testing, plating certification and special testing. It is very much appreciated if customers request this testing ahead of time. Requesting this information late in the process could extend lead time.

Please feel free to contact me with any quality question you may have, I would be happy to help.

Have a Merry Christmas and a Happy New Year!