

Cyclone Power Pullers; Iowa State University's 1/4 Scale Tractor Pulling Team

SEPTEMBER 2012 EDITION

2012 Year in Review

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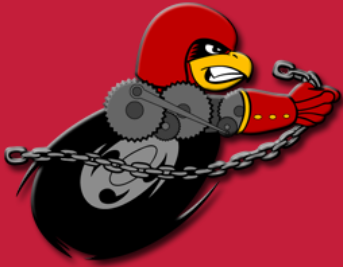
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2012 A-Team and X-Team Members (L-R), Jason Herbers, Aaron Nissen, Wyatt Hall, Tyler Sikora, Josh Crouch, Alex Haight, Conner Toennies, Donovan Bissell, Eli Peterson, Advisor Andrew Kissel, Derek Hruska, Brian McEvoy, Zack Wenke, Peter Horne, Eric Fredrickson, and Kent Thoreson.

Hello all, and welcome back to another season. The 2012 build year is over and it has been successful. Throughout the year, Cymon Sez was designed to compete in the 2012 Quarter Scale Tractor Competition held in Peoria Illinois. Cymon Sez featured a completely revamped design, moving into a full utility style tractor rather than the full time pulling tractor of late. New rules continue to make for a very interesting competition, in which University of Kentucky would take the crown. A lot of new designs and ideas surfaced, and have given the Cyclone Power Puller design team a lot to consider for 2013. Over the past months the Cyclone Power Pullers have been busy discussing possible design ideas for 2013. The 2013 tractor is in preliminary design stages, and is going to be a very innovative design. With 2 returning seniors on the design team, we are a young team and hope 2013 will be the year the championship comes to Ames, Iowa.

“After a exciting finish in 2012 the Cyclone Power Pullers are determined to bring home the gold in 2013” - Brian McEvoy



Cymon Sez 2012 A-Team Overview

Cymon Sez, the 2012 ISU tractor, marked the first true functional utility in the Cyclone Power Puller lineup. Featuring a dual mode hydrostatic/ hydro-mechanical transmission and a three point mount, powered by a single Briggs & Stratton 31hp engine, Cymon Sez was a completely revamped design to eliminate the misalignment issues we had last year. Marketed to the small hobby farmer, it was designed around utility and comfort. The dual mode transmission and three point hitch allowed the operator to accomplish a wide variety of tasks. Improved ergonomics were also a key design point, featuring an ergonomically supportive seat and broader range of vision from the heightened command station.

At competition Cymon Sez finished with an astonishing 4th place finish. A 2nd place finish in the written report, and a 3rd place finish in design judging set a high standard for 2013 design team.

Cymon Sez will provide a strong base for the upcoming X-Team. The 2013 X-Team will be lead by Eli Peterson and Conner Toennies. Redesigning the frame, and testing the transmission clutches are at the top of the list while other miscellaneous issues should keep the X-Team busy this year.

Peter Horne blading the track after the tractor



The 2012 Cyclone Power Pullers' tractor Cymon Sez. Designed by A-Team members Peter Horne, Eric Fredrickson, Wyatt Hall, Brian McEvoy, Tyler Sikora, Zack Wenke, Derek Hruska, and Aaron Nissen

Cy's Revenge; 2012 X-Team Overview

Cy's Revenge, the 2011 A-Team tractor, competed for its final time in Peoria, IL. Coming off a 6th place finish, the X-Team worked hard to present the best possible tractor at competition. A redesigned brake system, hydraulic system, and electrical system were the highlights of improvements done throughout the school year.

At competition the X-Team saw success in both the written and oral presentations, achieving a 2nd place finish in the written report. Despite some transmission damage, Cy's Revenge is back together and functioning. It will be pulling strong at the upcoming Sponsor Pull. We are excited to see its full potential.

Sponsorship

It's never too late to become a sponsor of the Cyclone Power Pullers. Without loyal sponsors we would not be able to produce a tractor and compete at such a high level year in and year out. Donations of cash, parts, or supplies are always welcome. Sponsor request letters will be sent out the third week of September this year so please watch your mail. We need your help to make the Cyclone Power Pullers the international champs in 2013. Additionally we are looking to compile a more extensive email list for quicker updates and easier contact with all companies. Please email us at cyclonepowerpullers@gmail.com with all addresses you would like added to our list.

Sponsorship Pull

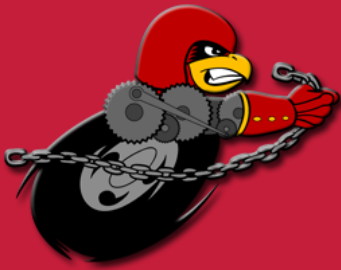
The Cyclone Power Pullers are holding their annual Sponsor Appreciation Pull on **Saturday October 13th 2012**. We hope all our sponsors will be able to make it and take a look at the tractors. The appreciation pull not only provides an opportunity for sponsors see what they have so generously helped create, but also gets our new members out for a first pull or two. Additionally we would like to extend an invitation to all family members and alumni. Without them the current members would not know half the things we do today.

There is always plenty of time for sponsors to jump on any of the tractors and take it for a pull themselves also! We will be sending out a formal invitation with the sponsor request letter by the third week of September but we hope you can mark your calendar now. Bring out your families and friends, enjoy the company of other folks in related industries and eat some delicious pork loin cooked by the tractor team members.



"It was very nice to sit in the shade and discuss potential improvement for next year's tractor" - Eric Fredrickson

*“We learned a lot from last years seniors, and are going to miss them”
- Fluffy*



Check us out of Facebook. Just search for Cyclone Power Pullers, and Click “Like” for updates & information

Highlights...



John “Wyatt” Hall and Zach Wenke

Many events occur throughout the year. From the occasional oops, to the ground breaking innovation that the ISU Cyclone Power Pullers are know for.

These are some highlights from those moments.



Eric Fredrickson driving the tractor to static judging.



Peter explaining his “Mega Housing” transmission design during static judging.



Peter teaching his dad how to drive the teams first tractor.

Officer Team

Title	Officer	Email
President.....	Brian McEvoy.....	bmcevoy09@gmail.com
Vice President.....	Jason Herbers.....	jherbers@iastate.edu
A Team Leader.....	Alex Haight.....	arhaight@iastate.edu
Treasurer and X-Team Leader	Connor Teonnie.....	c10yes@iastate.edu
X-Team Leader.....	Eli Peterson.....	cowboy@iastate.edu

Please contact one of these members with any questions about design, sponsorship, or

Sponsor Recognition

Current Full Pull Club Sponsors



QUALITY MANUFACTURING CORPORATION

Current Cyclone Club Sponsors



UTV HITCHWORKS ENGINEERING STUDENT COUNCIL JOHN DEERE

Current Gold Club Sponsors



DES MOINES NUT AND BOLT
DR. STUART BIRRELL
JOHN FREDRICKSON
THE HAIGHT FAMILY



Current Silver Club Sponsors



FARMERS COOPERATIVE CO.
GOODWIN INSURANCE
PATRICK ECKSTEIN
HUB CITY IMPLEMENT CO.
NISSEN FAMILY
THOMAS HALEY
JOHN MCCORMICK
CLINT RECKER
PETER HORNE SR.
MR. & MRS. STEVENSON



ISU DEPARTMENT OF AG. AND BIOS SYSTEMS ENGINEERING

Support the Cyclone Power Pullers!

Our team is actively seeking new sponsors for the 2012—2013 school year. If it were not for those who support our team, we would not be able to continue participating in the annual ASABE 1/4 Scale Tractor Student Design Competition. Because of this, we recognize our supporters using the following criteria:

Full Pull Club Sponsor: Donations valued at greater than or equal to \$5000 will be recognized on the team display board in addition to those recognitions given to Cyclone Club Supporters.

Cyclone Club Sponsor: Donations valued at less than \$5000 but greater than \$1000 will be recognized on the team trailer in addition to those recognitions given to Gold Club Supporters.

Gold Club Sponsor: Donations valued at less than \$1000 but greater than or equal to \$500 will be recognized on the team t-shirt in addition to those recognitions given to Silver Club Supporters.

Silver Club Sponsor: Donations valued at less than \$500 but greater than or equal to \$100 will be recognized on the team website, in the team newsletters, and on the 2011 tractor.

Bronze Club Sponsor: Donations valued at less than \$100 will be recognized on our team website.

For more information:

cyclonepowerpullers@gmail.com or www.stuorg.iastate.edu/powerpullers

Team Mailing Address:

Cyclone Power Pullers

Iowa State University

100 Davidson Hall

Ames, IA 50011