

IN THIS ISSUE

The Hendrik Group, Inc. takes issue with the latest edition of the CEMA book...just for your information!

HoverGlide Q & A...new section to answer the most asked questions about air supported belt technology.

Calender of events:
The Hendrik Group, Inc. will be participating in the Energy Generation Conference in Bismark, N.D., January 25-26, 2006.
Wear your woolies!

The Hendrik Group, Inc. has a new web site!
www.thehendrikgroup.com

Hover Glide

Air Supported Belt Conveyors

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The

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Herald



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FYI!

There are some misconceptions about Air Supported Belt Conveyors that have been published lately, and once again, The Hendrik Group would like to set the record straight. We know that sometimes technology advances so rapidly it is difficult to keep on the "cutting edge." We have also come to know that despite documented applications, there will always be individuals who will never admit there may be a better solution. To this end, we feel the need to speak out.

Early last year, the latest edition of the CEMA reference manual was released. The Hendrik Group was happy to see a section on new and emerging technologies; specifically a couple of pages on the Air Supported Belt Conveyor. We read with much enthusiasm and were generally pleased with the release.

However, and unfortunately, the author lists a series of "limitations of Air Supported Conveyors" that we, The Hendrik Group, Inc. take exception to. These statements are misleading and seem to put the air supported belt conveyor at a severe disadvantage. In this issue of the "The Hendrik Herald", we will be addressing just one of these items and will cover the rest in future releases.

Quote: "Light duty impact applications are the best fits for the technology."

The Hendrik Group, Inc. have always maintained that there are no restrictions on handling rates. Case in point: Several years ago, The Hendrik Group was contacted by the Coastal Aruba Refining Co. to handle their petroleum coke. Numerous conveyors had previously been installed by a well known conveyor supplier to handle petroleum coke of 2500 MTPH. Coastal Aruba was plagued with spills and dust generations, especially at their conveyor load points. The Hendrik Group retrofitted the loading area of one of the 60 inch conveyors with a totally enclosed 40 foot. air supported loading section, solving all the spill and dust generations at the junction.

At First Energy in East Lake, Ohio, a 60" wide receiving belt was upgraded from 2500 to 4400 STPH. The conveyor is fed by three belt feeders, each handling 2200 STPH. The Hendrik Group, Inc. replaced the first 80 linear feet and the three load points with a totally enclosed air supported section. Each load point incorporated a self-centering belt loader and The Hendrik Group's patent pending air supported urethane impact section. continued:

HoverGlide

Q&A

The Hendrik Group fronts many questions about the air supported belt conveyor on a daily basis. We hope it is because people are as excited about this technology as we are. We will try to address your issues in this section, but of course, feel free to call us for additional information.

Q: Does the HoverGlide air supported belt conveyor use compressed air?

A: No. Air is supplied through a low pressure, low volume, centrifugal fan.

Q: How much air is used?

A: This depends on the width of the conveyor, weight of the belt and the handling capacity. We calculate the belt weight and load to determine the volume and pressure. An average volume is from 3-8 CFM per linear at pressures from 12-30 inches of water. 95% of all our conveyors require less than one PSI, (27.7 inches of water).

Q: How is the air distributed?

A: The fan, preferably located to the center of the conveyor, blows air into the plenum air chamber. Through a series of holes along the centerline of the conveyor, air is forced between the plenum bed plate and the belt, forming a film of air. If necessary, the fan may be placed near the tail or head of the conveyor.

More in the next issue.

continued:

At Alabama Power's Barry Plant, together with Dearborn Mid-West, The Hendrik Group has furnished five (5) 54" wide conveyors with 35 degree troughs handling Powder River Basin (PRB) coal at 1800 TPH. Again, each of the seven impact areas are fitted with The Hendrik Group's exclusive patent pending air supported impact section.

Xcel Energy in Bayport, MN chose The Hendrik Group, Inc.'s totally enclosed air supported belt conveyors to increase the handling capacity from 1700 to 2300 TPH, again handling PRB coal. The initial design called for 60" wide, 35° troughing idler type conveyors to replace existing 48" wide, 35° troughing idler conveyors. The Hendrik Group, Inc. proposed furnishing a 54" x 45° troughing section that would fit on the existing steel. The Hendrik Group is completing its engineering design stage to replace one 63 ft. long, one 1094 ft. long, one 304 ft. long, and one 687 ft. long, 54" wide totally enclosed air supported belt

conveyors each handling the 2300 TPH of PRB coal. Installation is scheduled for mid 2006.

At BCR Marine in Vancouver twelve (12) 48" wide conveyors of various lengths are handling a variety of agricultural products at 1400 MTPH receiving and 1700 MTPH ship loading. All the conveyors are air supported both on the troughing and return sides. Designed and supplied by Hendrik Enterprises,

(now The Hendrik Group) these conveyors have been operating at full capacity for five years. We believe the installations listed above prove, without a shadow of a doubt, that there are no restrictions to handling capacities and no impact restrictions to The Hendrik Group's Hover Glide totally enclosed air supported belt conveyors.

We would love to hear from you. Email us or give us a call.



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