



2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE CONVEYOR IDLER COMMITTEE MEETING

Monday, November 8, 2021

MINUTES

1. Call to order

Paul Schmidgall, Superior Industries, chair; called the meeting to order at 2:16 pm

2. Attendance and Introductions– Via virtual registration (roll call attached)

3. Approval of Minutes of September 21, 2021 – Minutes were approved

4. Old Business

a) **High Speed Conveying** – Updates

Subcommittee: Jim Masek, PPI (chair); Tom Hubbert, Dos Santos International; Paul Ormsbee, Overland Conveyor Co., Inc.; Paul Schmidgall, Superior Industries, Inc.; Andrew Jennings, Conveyor Dynamics, Inc.; Robin Steven, Contitech North America, Inc.; Benjamin Brewer, Douglas Manufacturing Co., Inc.; Luis Estay, Bechtel Corporation; Nick Mackenzie, Rulmeca Canada Limited; Andrew Hustrulid, Shaw Almex Industries; Muhammed Malik, Luff Industries Ltd.

The subcommittee is working on some verbiage to add to the belt book regarding idlers/high speed conveying. The subcommittee will continue working at the 2022 CEMA Engineering Conference.

b) **3-Roll Offset Idlers** – No Updates

Previously Andrew Jennings was going to offer a white paper on subject, but he is absent. Paul Schmidgall will reach out to Andrew for a status check for the 2022 CEMA Engineering Conference.

There was some discussion on how offset idlers are being used because they are less prone to causing roll gap belt failures.

c) **Impact Equations** – Updates

Brett DeVries needs k factors from the idler manufacturers to continue his work on trying to harmonize the impact idler equations with those related to impact beds. He will work with Naylu to send out a survey to the manufacturers with the intent of collecting k factor information for impact idlers.

d) **Inconsistencies between Belt Book and CEMA Standard No. 502 for Idler Selection Procedure** – Updates

Subcommittee: Jim Masek, PPI (Chair); Paul Schmidgall, Superior Industries Inc.; Brett DeVries, FLEXCO; Paul Harrison, Martin Engineering Company; Benjamin Brewer, Douglas Manufacturing Co., Inc.

The CEMA Standard No. 502 was approved by the committee and will be sent to ORs for

approval. Additionally, there will need to be errata will be added to the Belt Book 7th Edition, Second Printing.

e) **Idler Monitoring** – Updates.

Subcommittee: Benjamin Brewer, Douglas Manufacturing Co., Inc. (chair); Andrew Hustrulid, Shaw Almex Industries; Jim Masek, PPI; Paul Schmidgall, Superior Industries, Inc. Jim Masek is working on a white paper that is in progress to go back to chair / vice-chair for review. Paul Schmidgall has decided that the document needs to be sent to Benjamin Brewer for his input before the chair/vice-chair review for edits.

f) **White papers** – Volunteers needed – No Updates

- Gap between CEMA standards and international standards
- Idler monitoring
- 3-Roll Offset Idlers
- Idler junction or roll gap as it relates to belt failures
- Energy efficiency scale for idlers (including how it relates to belt indentation rolling resistance)
- Non-Steel Rolls

g) **Non-Steel Rolls** (should be mentioned in the CEMA Belt Book 8th Ed.) – Updates

Subcommittee: Paul Schmidgall, Superior Industries, inc. (Chair); Brett DeVries, FLEXCO; Tony VanZee, PPI

This is gaining momentum and should be added to the 8th ed BBK.

5. New Business

a) **Belt Book 8th Edition**

When will we set a date to work on the 8th ed.? It was suggested that they ask the question of the board when they can set a target date.

b) **Non-Standard Configuration Idlers**

There was a short discussion about the use of idlers with non-standard configurations in industry. Some idlers with larger center rolls are used for energy savings, and some idlers are built with lighter duty wing rolls to reduce cost. These have been around for a while, but they are becoming more prominent in the industry.

It was proposed that this could make a good topic for a white paper. No volunteers at this time.

6. Next Meeting – June 14, 2022, at La Playa Beach & Golf Resort, Naples, FL

7. The meeting was adjourned at 3:15 pm

Paul Schmidgall, Chair
Andrew Hustrulid, Vice-Chair

2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE - CONVEYOR IDLER COMMITTEE MEETING - Roll Call

Attendance Count	Event Name	First Name	Last Name	Email	Title	Company	Phone	Country/Region
1	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Benjamin	Brewer	bbrewer@douglasmanufacturing.com	Chief Engineer	Douglas Manufacturing	1-12058841200	United States of America
2	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Chad	Brown	cbrown@dodgeindustrial.com	AE Manager	Dodge Industrial	1-8642526195	United States of America
3	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Brett	DeVries	bdevries@flexco.com	Engineer	Flexco	1-6162421636	United States of America
4	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Naylu	Garces	naylu@cemanet.org	Engineering Manager	CEMA	1--2392608009	United States of America
5	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Joshua	Holcombe	joshua.holcombe@continental.com	Research and Development Engineer	Continental	1-6144200988	United States of America
6	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Andrew	Hustrulid	andrew.hustrulid@almex.com	Sr Vp global Services	Shaw Almex	1-305-450-1295	United States of America
7	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	David	Keech	dkeech@dodgeindustrial.com	Development Engineer	Dodge Industrial	1-8645532101	United States of America
8	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Kara	Leeds	karaleeds@dfandl.com	Engineering Supervisor	Design, Fabricators, & Integrators LLC	1-5137078749	United States of America
9	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Kimberly	MacLaren	kim@cemanet.org	Mgr. Marketing/Membership	CEMA	1-2392608406	United States of America
10	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Muhammed	Malik	muhammed@luffindustries.com	Mechanical Engineer	Luff Industries Ltd.	1-4032793555	Canada
11	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Jim	Masek	jmasek@ppi-global.com	Engineer	PPI	1-6417803135	United States of America
12	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Gabriel	Moniz	gabriel.moniz@beumer.com	Operations Manager	BEUMER Corporation	1-7208123680	United States of America
13	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Fabian	Rubio	fabian.rubio@beumer.com	Project Engineer	Beumer Corporation	1-8166610291	United States of America
14	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Paul	Schmidgall	p.schmidgall@superior-ind.com	Chief Engineer	Superior Industries	1-6514706441	United States of America
15	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Robin	Steven	robin.steven@continental.com	CS R&D BMH Chief Engineer Steel Cord & Pipe Belts	Continental	1-9375940685	United States of America
16	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Andrew	Timmerman	andrewt@martin-eng.com	Engineering Supervisor	Martin Engineering	1-3098522384	United States of America
17	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Tony	Van Zee	tvanzee@ppi-global.com	Engineer	PPI	1-6416212520	United States of America
18	2021 CEMA Fall Engineering Conference - Conveyor Idler Committee	Akiko	Wakatsuki	akiko.wakatsuki@fennerdunlop.com	Sr Manager	Fenner Dunlop	1-4803342115	United States of America