

# *CTI ACC Gear Standard* Update





## *ACC Gearbox Standard Goal*

- Provide a gearbox standard that will provide reliability and minimal maintenance through:
  - Robust product design, specifically for the ACC application
  - Proper sizing and selection
  - Proper installation
  - Best practices in operation and maintenance





## First Meeting...

- First meetings held at the CTI Summer Workshop in July 2016
- Met for 4 hours to review a draft standard
- Committee meeting attendees included:
  - 3 gear manufacturers
  - Several ACC designers
  - EPC firms
  - Fan manufacturers
  - Only 1 ACC owner operator



## Some Key Issues



- Gear ratings and service factor
  - 2.0 service factor on motor power
  - Thermal ratings
- Wind effects on gear design
  - Uneven loading
  - High start-up torque
- Best ways to contain oil
- Oil filtration
- Condition monitoring





- We need more **ACC owner/operator** input to meet the goal of the standard.
- How you can help...
  - Review and comment on the draft standard
  - Participate in the CTI committee meetings
- *Interested?* Contact the Committee Chair, **Craig Burriss** at [cburriss@amarillogear.com](mailto:cburriss@amarillogear.com)

