

## Aviation Safety Bulletin

ASB No: 90-022/M

July, 2001

Subject :

Aborted take-off due to error airspeed indication.

Background :

1. A BN-2 aircraft aborted take-off due to a “Zero” airspeed indication. The maintenance crew found a “Hose-clip” on a Pitot & Static system pipe was loose. The maintenance crew released the aircraft after re-tightening the clip, but the aircraft aborted take-off again because of a fluctuating airspeed indication.
2. Investigation revealed that the maintenance crew did not comply with the leak and/or blockage check procedure after re-tightening the clip. The water in the pipe, after a one-week continuously rain, resulted in blockage of the signal to the system.

Recommendation :

1. Revise 100 hours periodic Inspection Job Card by adding “Purge complete system with Nitrogen (N2) air from upstream of Air Speed Indicator (ASI) if the nipple of drain tap has moisture present”.
2. Conduct a Pitot/Static System training course with a practical exercise for maintenance crews to improve work quality and system knowledge and to ensure flight safety.
3. Flight crews to pay special attention to humidity and use Pitot Heater while flying in rainy area by following Flight Manual to prevent vapor gathering in the pipeline.