

Remington Confidential

DEBRIS TESTING – TLW0010AK THROUGH TLW0010AM**TLW0010AK - Static Sand & Dust Test:**

This test evaluates the effects of blowing sand and dust on firearm performance, but the test firing is conducted after the firearm is removed from the sand and dust environment. Thus, an exposure box is not needed accommodate firings. Use the same sand and dust mixture used in the Sand and Dust Test,

(see Table No. 1.)

Method:

- Clean and lubricate one test firearm and close the muzzle with tape.
- Close the bolt. Set the safety in the SAFE position. Load the firearm.
- Expose the firearm as follows:
- Place the firearm in the center of the box, forward from the pour hole, and fasten the box lid.
- Operate the blower handle at about 60 rpm as the sand and dust mixture is poured through the hole at a rate of 2.3 kg (5 pounds) per minute.
- After 1 minute, stop the blower, remove the lid, and turn the firearm upside down in the box. Replace the lid and repeat the sand and dust blast for another minute.
- Shoot the gun from the box after first wiping clean the firearm with bare hands. Clean parts as much as possible by blowing sharply or jarring the firearm. Remove the tape from the muzzle.
- Fire a full magazine from the firearm.
- If firing is still unsatisfactory, attempt to fire with a clean magazine loaded with clean ammunition. If repeated malfunctions make it impossible to fire all of the ammunition, field strip and clean the firearm in accordance with the applicable operator's manual. Then attempt to fire the remaining ammunition. If repeated malfunctions make it impractical to fire the remaining ammunition, stop the test. Cycle the safety from fire to safe every 5 rounds.
- At every 5 round interval verify the firearm is not loaded.
- Close the firearm as if to fire it and put the safety to the SAFE position
- Pull the trigger firmly (10 lb. maximum) - firearm must not fire.
- With the finger off the trigger, move the safety to the FIRE position - firearm must not fire.