

MODEL 700 FIRE CONTROL LUBRICATION EVALUATION

Good morning. My name is Evan Ritchie; I am the Sr. Supervisor of the Iliion Firearms Research Testing & Measurement Lab.

Today, I would like to review with you the results to date of the Model 700 fire control lubrication testing.

It is clear we have a problem in firearms due to improper cleaning and lubricating. This is evident by the visible signs of film and gum buildup on returned customer firearms, customer complaints in the field and product liability cases in this area. To improve this situation, the owners manual can be rewritten to include a more detailed description on "How to properly clean and lubricate the firearm." The best available lubricant would be one which offers outstanding cleaning, lubricating and rust preventitive properties. Through extensive testing by both a Du Pont Lubrication Consultant and the Remington Research Test Lab, we feel we have found a few lubricants which are much better performers than those presently known in the firearms community.

Today's presentation will review the results of these tests.

Allen B. Hughes, Senior Consultant in the Engineering Service Division's Maintenance Engineering Group of Du Pont, was consulted to evaluate the many different lubricants on the market today for their capability to clean and lubricate a M/700 fire control. It is intended that the cleaning and lubrication procedure be done without disassembly from the receiver and the products used should not gum up the close tolerances of the mechanism. The products selected should be readily available on a nationwide basis, be non-flammable and non-toxic, as well as from -20<sup>0</sup>F. to 120<sup>0</sup>F.

PLAINTIFF'S  
EXHIBIT  
NTB 180

NTBOOK180

IREM 0027954

MODEL 700 FIRE CONTROL LUBRICATION EVALUATION ---

Good morning. My name is Evan Ritchie; I am the Sr. Supervisor of the Ilion Firearms Research Testing & Measurement Lab.

Today, I would like to review with you the results to date of the Model 700 fire control lubrication testing.

It is clear we have a problem in firearms due to improper cleaning and lubricating. This is evident by the visible signs of film and gum buildup on returned customer firearms, customer complaints in the field and product liability cases in this area. To improve this situation, the owners manual can be rewritten to include a more detailed description on "How to properly clean and lubricate the firearm." The best available lubricant would be one which offers outstanding cleaning, lubricating and rust preventative properties. Through extensive testing by both a Du Pont Lubrication Consultant and the Remington Research Test Lab, we feel we have found a few lubricants which are much better performers than those presently known in the firearms community.

Today's presentation will review the results of these tests.

Allen B. Hughes, Senior Consultant in the Engineering Service Division's Maintenance Engineering Group of Du Pont, was consulted to evaluate the many different lubricants on the market today for their capability to clean and lubricate a M/700 fire control. It is intended that the cleaning and lubrication procedure be done without disassembly from the receiver and the products used should not gum up the close tolerances of the mechanism. The products selected should be readily available on a nationwide basis, be non-flammable and non-toxic, as well as from -20<sup>0</sup>F. to 120<sup>0</sup>F.

