

MODEL 700
FIRE CONTROL
LUBRICATION
EVALUATION

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FIREARMS RESEARCH
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PROBLEM

- VISUAL FILM BUILDUP
- CUSTOMER COMPLAINTS
- PRODUCT LIABILITY

CLEANING / LUBRICATING PROCEDURE

- WITHOUT DISASSEMBLY
- NO GUMMING
- NATIONALLY AVAILABLE
- NON-FLAMMABLE
- NON-TOXIC
- -20°F TO 120°F

EVALUATION

DU PONT

- ODOR
- FEEL
- DRYING RATE
- PENETRATION
- SURFACE WETTING
- GREASE DISPLACEMENT
- TYPE CONTAINER
- LIQUID APPEARANCE
- WOOD OPEN PORE
- METAL SURFACE
- RUST REMOVAL
- DISPLACE MOISTURE
- DISPLACE SOLIDS
- GUN BARREL
- WOOD STOCK
- RUST PREVENTION

REMINGTON

- CLEANING
- LUBRICATION
- RUST PREVENTION

RECOMMENDED LUBRICANTS BY DU PONT

- DU PONT SYNTHETIC DIESTHER "WET LUBRICANT"
- KRYLON TEN-4
- SPRAYON 711
- CRC 3-36
- HOUGHTON HLP

FIREARMS TESTS

- M/700 COCK & FIRE SIMULATION
- ENVIRONMENTAL / COLD TEST
- RUST PREVENTION TEST
- FIREARMS CLEANING ABILITY
- M/700 RELIEVED FIRE CONTROL COMPONENTS
- AMMUNITION PENETRATION BY LUBRICANT
- M/700 FIRE CONTROL - GUM BUILDUP

1. M/700 COCK & FIRE SIMULATION

- DU PONT
- SPRAYON 711
- CRC 3-36
- HOUGHTON HLP
- KRYLON TEN-4

2. ENVIRONMENTAL / COLD TESTS

FUNCTION:

- DU PONT - 0 MALFUNCTIONS
- CRC 3-36 - 1 FAIL TO CONNECT
- SPRAYON 711 - 2 FAIL TO CONNECT

RUST PREVENTION:

- DU PONT & CRC - VERY LITTLE RUST
- 711 - GREATER AMOUNTS OF RUST

3. RUST PREVENTION TEST

- CRC 3-36 - BEST
- DU PONT & SPRAYON 711 - NOT AS GOOD AS CRC 3-36

4. FIREARMS CLEANING ABILITY

CLEANING RESULTS:

- DU PONT
- CRC 5-56 (3-36)
- SPRAYON 711

LUBRICATION RESULTS:

- DU PONT
- CRC 5-56 (3-36)
- SPRAYON 711

5. M/700 RELIEVED-FIRE CONTROL COMPONENTS

NO NOTICEABLE DIFFERENCES BETWEEN

DU PONT
CRC 3-36
WD-40

5. M/700 RELIEVED FIRE CONTROL COMPONENTS

6. LUBRICANT CONTAMINATION OF AMMUNITION

- DU PONT
- CRC 3-36
- SPRAYON 711

7. M/700 FIRE CONTROL - GUM BUILDUP

STEEL GUARD - STARTING TO CONGEAL

ALL OTHERS - NO CONGEALING

TEST RESULTS SUMMARY

	<u>DU PONT SYNTHETIC DIESTHER</u>	<u>CRC 3-36 (5-56)</u>	<u>SPRAYON 711</u>
COCK & FIRE SIMULATION	1	3	2
ENVIRONMENTAL/COLD	1	2	3
RUST PREVENTION	2	1	2
CLEANING	1	2	3
RELIEVED FIRE CONTROL	-	-	-
AMMO PENETRATION	1	1	2
GUM BUILDUP	-	-	-

RECOMMENDATIONS

DU PONT SYNTHETIC DIESTHER (WET LUBRICANT)

- BEST LUBRICATING PROPERTIES
- BEST CLEANING CAPABILITIES
- GOOD RUST PREVENTITIVE