

INTRODUCTION:

Sunny-Hill Enterprises of Malone, WI, offers a line of trigger guard assemblies and other gun accessories for Remington and other gun maker's products. The company produces a trigger guard assembly that can be used on the Remington SWS. The Sunny-Hill trigger guard is all steel and can be purchased at a price attractive to Remington.

The Test Lab received a request to evaluate a sample of the Sunny-Hill trigger guard assemblies.

SCOPE:

The Test Lab was provided with three samples of standard trigger guards used for the Model 700 SWS rifle as a control for the test. Three Model 514 trigger guard samples were provided from Sunny-Hill.

All trigger guards were subjected to ASTM scratch-and-lift testing, followed by 24 hour thermal exposure at -20 degrees and 150 degrees F. Next, solvent resistance testing was performed with the following gun cleaning and lubrication products:

- WD-40
- Rem Oil
- Remington's Brite Bore
- Birchwood Casey Bore Scrubber
- Hoppe's #9

Each trigger guard was assembled to an SWS, 7.62mm rifle and subjected to standard S.A.A.M.I. drop testing from the 4-foot height.

Lastly, the test trigger guards were turned over to the Metallurgical Lab for strength testing of the material and metallurgical analysis.

RESULTS:

ASTM Scratch-and-Lift: All samples passed this test.

Thermal Exposure: All samples passed this test.

Solvent Resistance / Adhesion: All samples passed this test.

Drop Testing: None of the samples was damaged in drop testing. One of the control trigger guard assembly's floor plate opened. All of the Sunny-Hill floor plates remained latched during all drops.

Strength & Metallurgy: Results pending.