

> Three guns of each caliber were tested in Extended Jar-Off, Rotation and Drop. All guns passed Extended Rotation and Extended Drop. Three failures were recorded in Extended Jar-Off, two at 24 inches and one at 48". These are tests run for information only and do not have a bearing on DAT exit pass/fail criteria.

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>4 Thermal Tests (Hot, Cold, Heat & Humidity, Thermal Cycle)
> All four types of tests have been completed
> Stocks cracking issues - worse for Thermal Cycle and Hot Test conditions.

> Recoil Lug area setback occurred during 1st Hot Test after 64 rds..
> The Hot test was redone with two guns (both 350 Rem Magnums) with double enforcement screws installed just behind the recoil lug area. Both stocks looked good after this 100 rd. accelerated test.

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>5 Function & Endurance - Post 1,000 rd. Endurance activity
> One 300 RSAUM gun, A-5, was run to 3,082 rounds. This stock did crack but no recoil lug area setback occurred during the duration of this test. This gun had a single enforcement screw up front. Although the goal was to run this gun to 4,000 rds the test was stopped at the 3,082 rd. level due to ammo availability. A second 300 RSAUM, Gun A-2, was run to 1,683 rounds with no major issues. This gun had a double enforcement screw up front for the last 1,000 rds. of testing.
> Two .350 Rem. Mag guns, A-21 and A-28, were shot to 1,682 and 1,741 rounds respectively. Gun A-21 had a single enforcement screw. Cracks did occur in the stock of this gun but no setback of the lug area occurred. Gun A-28 was tested with stocks with a double enforcement screw for the last roughly 1,100 rds. Two stocks with double screws up front failed in the recoil lug area (both setback) on gun A-28 at about the same round level, about 600 rounds. The first failed stock had been through 1 HOT test cycle previous to this testing. The second stock was a new stock. Failure round levels were 600 and 608 rounds respectively with the double enforcement screw.
> The goal for DAT was to test one gun of each caliber to 4,000 rds as the last leg of endurance. With all the extra testing that was done trouble shooting function issues and then the stock issue that was not accomplished. Given the ammo situation, out of .300 RSAUM and low on handloaded .350 Rem. Mag. ammo, there are no plans to run any guns to higher levels than that mentioned here. If anyone feels differently about that please say so now. That will mean purchasing additional .300 RSAUM ammo and handloading additional .350 Rem. Mag. ammo.

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>6 Other Issues
> Functioning - The most common malfunctions experienced throughout this test were bolt over-rides(BO), round jumps magazine(RJMB) and fail to eject (FE). In all cases except one identifiable causes were found. Incorrect magazine springs were found on guns for BO's, low extractor tension for FE's and in some cases incorrectly assembled actions for BO's and RJMB malfunctions. In one case, gun A-26, no absolute cause could be found for the RJMB condition.

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> Heavy Bolt Lift on .300 RSAUM actions - This was a consistent complaint from testers throughout this test. Inspections showed in many cases that breech faces were rough and ejector and firing pin holes were not adequately chamfered or edges broken.>

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> Rib Screws - Rib screws were checked throughout this testing to determine if movement occurred. No screw movement was detected at any of these inspection intervals. It was noted however that screw torque did change (was lower) after live firing after 500 rds. and after some of the thermal tests. In some cases broken o-rings were found. It's not known for sure whether this happened from firing or during the removal process when ribs were taken off barrels to be put on other rifles.

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> In summary most testing will be complete this week except for high pressure abuse. The vast majority of guns functioned very well from a malfunction standpoint. Some guns did experience malfunctions and in virtually all cases there were assignable reasons why, i.e. wrong parts, parts not meeting specification or assembly issues. Bottom line, malfunctions that occurred with these guns are not specific to the Guide Gun. As stated above the major issue continues to be with the cracking and setback of the recoil lug area of the stock. This issue must be solutioned or formally accepted by Marketing before the Test Lab will support transmittal of this product. >

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> << OLE Object: Picture (Metafile) >>
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