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PRESS RELEASE

Testing Pressure Vessels is a routine function for Darrell Robbins, Pressure Vessel Program Manager at Applied Companies. Darrell has been overseeing the manufacturing of “bottles” for over 20 years.

“Sometimes a military application for a bottle requires special testing, but this one is quite interesting” said Darrell as he smiled and displayed the photo of a steel pressure vessel that, not only passed the test but, captured the .50 caliber armor piercing round in the tumbling tear it created.

Robbins explained that a private company tests the bottles at an outdoor range. “It is most interesting to see.” said Darrell. “They take the bottle fifty yards down-range and cant it at a 45 degree angle.” He went on to explain that the velocity of the M-2, 700 Grain, Armor Piercing round must be measured ten feet from the target. “For this shot the velocity was 2,809 feet per second.” He said with a grin. “Of course the bottle was pressurized at 3,000 pounds per inch, which is its normal operating pressure.”

“I was most pleased with the results, we had no fragmentation of the bottle and the tumbled tear was below allowable threshold; in short the bottle passed the test.” Darrell proudly stated.

“Here, take a look at this photo, you can see the tip of the .50 caliber AP round sticking out; now that’s one for the record book. Just imagine the mass of the round traveling at more than half a mile a second coming to a complete stop in less than six inches. I consider that a testimony to excellence in manufacturing and material.” said Robbins.

Darrell Robbins supervises the manufacturing of pressure vessels for Applied Companies included in his portfolio are such programs as; 1 million vessels for the TOW missile program and over 20,000 for the Maverick Missile.

Applied Companies is a Veteran Owned Small Business in Valencia CA.
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