

E. P. WHITE LABORATORY

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13 April 1964

Corrosion Reaction Consultants, Inc.
 Limekiln Pike.
 Dresher, Pennsylvania

ATTN: Mr. George Kolb

Gentlemen:

Subject: H.P. White Laboratory Project No. 1027-643, Your Purchase
 Order No. 1821

This letter constitutes a report on the second phase of the above subject matter; that is testing CRC 3-36 for removal of lead and powder deposits from shotgun barrels. The shotgun used in this test was a Winchester double barrel skeet model with a 2 3/4 inch chamber.

Step No. 1. Both barrels were cleaned. The left-hand barrel was cleaned with patches saturated with CRC 3-36 and the right-hand barrel was cleaned with patches saturated with Hoppe's No. 9 solvent until no evidence of lead or powder appeared on the patches.

Step No. 2. Fifty rounds of Western Super X with No. 4 shot were fired through each barrel.

Step No. 3. CRC 3-36 was sprayed into the breech of the barrel treated with CRC 3-36 for 10 seconds in a circular motion. The opposed barrel was treated in a similar manner using Hoppe's No. 9 solvent. The gun was placed in a vertical position, muzzle down, on a white blotter. After two hours, the blotter was examined for traces of lead; there was no evidence of lead deposits on the blotter from either barrel.

Step No. 4. Both barrels were cleaned with the respective solvent originally used. Four patches were required for each barrel to remove all traces of lead and powder deposits.

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Step No. 5. Both barrels were inspected after seven days for traces of lead deposits remaining in the barrels. There was no evidence of lead remaining in either of the barrels.

In conclusion we cannot say that CRC 3-36 is a better cleaning solvent than Hoppe's No. 9, nor can we say Hoppe's No. 9 cleaning solvent does a better cleaning job than CRC 3-36. They appear to be equal in removing lead and powder deposits from shotgun barrels.

Should there be any questions concerning the solvent tests, we shall be glad to furnish any further information.

Very truly yours,

H. P. WHITE LABORATORY

W. F. Senior

WFS/ss