

H. P. WHITE LABORATORY, INC.

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7 August 1989
(Proposals/Quotes)

Remington Arms Company
1007 Market Street
Wilmington, Delaware 19898

Attention: Mr. E. Rossi

Gentlemen:

Thank you for your inquiry of 3 August 1989 regarding testing of a newly developed bore cleaner which you identified as REMULAN.

Regrettably there does not exist a universally accepted testing procedure for this category of material and we can propose only a procedure which we feel will generally satisfy your requirements but will not necessarily establish a "Pass/Fail" evaluation of the cleaner. We have structured our scope of work to enable you to balance budgetary constraints against the level of confidence you are seeking.

The objective of this testing is to replicate field usage of the product and to confirm - or deny - the findings of other laboratory testing which concluded the product was comparable - or superior - to other bore cleaners with respect to:

1. Its cleaning properties,
2. Ease of usage,
3. Its effect on the reliability of the gun, and
4. Its effect on the useful life of the gun.

You have suggested using the Remington Model 7400 autoloading rifle for these tests inasmuch as the design of that gun would present a more demanding test of the product. We suggest the use of that gun in caliber .30-06. Unless your product is effective in cleaning of the residues of corrosive primers, we recommend the ammunition used to conduct these test be loaded with NON-CORROSIVE primers. We further recommend you conduct these comparative tests with HOPPE'S NO. 9 bore cleaner.

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Table I presents a proposed scope of work which is based on a 4 gun sampling, a basic firing cycle of 525 rounds per gun with optional addition firing cycles and an optional 10 day, Cyclic Temperature and Humidity Test. Two of the guns will be periodically cleaned with Hoppe's and 2 with REMCLIN. One of each of the 2 gun samples will be cleaned (without disassembly) after every 50 rounds of firing and the other after each firing cycle of 525 rounds.

TABLE I. SCOPE OF TESTING

		Control Rifles (Hoppe's)		Test Rifles (Remclean)		Total Firing
		A	B	A	B	
01.	Visual Inspection	X	X	X	X	-na-
02.	Initial Firing(Rds.)	100	100	100	100	400
03.	Cleaning(a)	X	X	X	X	-na-
04.	Data Baseline Firing(b)	25	25	25	25	100
05.	Conditioning Firings(Rds.)	50	50	50	50	200
06.	Cleaning	X	NO	X	NO	-na-
07-15.	Repeat of 05 and 06 (Fire and Clean)	450	450	450	450	1800
16.	Repeat 03 (Cleaning)	X	X	X	X	-na-
17.	Repeat 04 (Data) (c)	25	25	25	25	100
18-30.	Repeat 05 through 16 (Fire, Clean and Data)	525	525	525	525	2100
(Optional)	Additional 05 through 17/Each (d)	525	525	525	525	2100
(Optional)	10 Day Temperature/ Humidity Test (e)	25	25	25	25	100
	Final Report	X	X	X	X	X
Total Firings -						
	Basic Cycle	625	625	625	625	2500
	Optional Endurance Cycle	525/ea.	525/ea.	525/ea.	525/ea.	2100/ea.
	Optional Temperature/Humidity	25	25	25	25	100
(a) No disassembly of gun during cleaning.						
(b) Five groups of 5 rounds each for bullet velocity and dispersion.						
Chamber and throat casts and visual bore/throat inspection.						
(c) No chamber/throat casts.						
(d) Final data to include throat/chamber casts.						
(e) Prior to testing - disassemble, clean and lube Guns B and D only. Clean and lube Guns A and C without disassembly. Five Round data firings after days 1, 3, 5, 8 and 10. Chamber and throat casts after 10 days.						

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H.P. White Laboratory, Inc. will be pleased to conduct the basic firing test (625 rounds for each of 4 guns) for a firm fixed price of \$3100 and \$2500 additional for each additional firing cycle and \$2400 for the optional Temperature/Humidity Test. We estimate that this scope of work will require 10 days to complete (basic firing cycle) and an additional 3 days for each additional firing cycle and an additional 15 days for the optional Temperature/Humidity Test.

This offer assumes we will be provided the test guns, ammunition - which we estimate at \$0.45-0.50 per round - at no cost to H.P. White Laboratory, Inc. H.P. White Laboratory, Inc. will provide the necessary quantities of Hoppe's cleaner. Should you have any questions regarding this matter, or if we may be of any further service, please do not hesitate to contact us.

Very truly yours,

H. P. WHITE LABORATORY, INC.

Donald E. Dunn

DED/lc