



# H.P. White Laboratory, Inc.

An Intertek Company

ISO-5.10-FR34.00

## PRESSURE & VELOCITY (Transducer)

Client: RICH GEMMRIG

Job No. : 9401

Test Date : 9/17/19

### AMMUNITION

Manufacturer : RICH GEMMRIG  
Type : 7.62 YAHWEH  
Bullet : TNT SPEER  
Catalog No. : UNKNOWN  
Lot No. : Sample 14

Case : 6mm PPC FIRE FORMED  
Case Offset (psi) :  
Primer : 450 CCI  
Bullet Wt (gr.) : 125  
Powder : 35.7 GRAINS / CFE BLACK  
Overall Length (in.) : 2.25

Conditioning : Ambient  
Loader : RICH GEMMRIG  
Date Rec'd : 6/20/2019  
Via : NA  
Returned : NA

### WEAPON

Type : 7.62 YAHWEH  
Ser. No. : NA

Barrel Length (in.) : 24  
Reference Firing Date : NA

Velocity Correction (fps) : 0  
Barrel Pressure Correction (psi) : 0

### SET-UP

Vel. Screen 1 : 5  
Vel. Screen 2 : 25

Range No. : 4  
Gunner : NAPPER  
Recorder : D'AMARIO

Temperature (F) : 70  
Barometer (in Hg) : 30.10  
Rel. Humidity (%) : 40

### INSTRUMENTATION

Make/Model  
Transducer : PCB/117B188  
Ballistic Meter : PCB 462B52  
Scope : OEHLER

Serial Number  
6858  
336  
114

Cal Date  
8/23/19  
7/7/17  
11/18/18

Shot No.	Time 1 (usec)	Velocity 1 (fps)	Time 2 (usec)	Velocity 2 (fps)	Average Velocity (fps)	Corrected Velocity (fps)	Pressure Reading (psi)	Corrected Pressure (psi)	Include in Results	Remarks
1					2860	2860	53,600	53,600	Y	
2					2884	2884	54,575	54,575	Y	
3					2868	2868	50,500	50,500	Y	
4					2870	2870	54,400	54,400	Y	
5					2846	2846	49,700	49,700	Y	
6					2850	2850	48,150	48,150	Y	
7					2844	2844	48,950	48,950	Y	
8					2860	2860	51,250	51,250	Y	
9					2857	2857	50,550	50,550	Y	
10					2844	2844	48,700	48,700	Y	
11										
12										
13										
14										
15										
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25										
26										
27										
28										
29										
30										
RESULTS		Velocity	Pressure	SAAMI Reqmts.		REMARKS				
No. Data Points :	10	10		Velocity	Pressure	CARTRIDGE NOT LISTED IN SAAMI DATA FOR REFERENCE ONLY				
Maximum :	2884	54,575								
Minimum :	2844	48,150								
Extreme Variation :	40	6,425			0					
Average :	2858	51,038		0						
Standard Deviation :	12.36	2,256								
Avg +3 Std. Dev. :	2895	57,806								
Standard Error :	3.91	713								
Avg + 2SE :	2866	52,464								
Avg + 5SE :	2878	54,605								

Note: Corrected Pressure = Pressure Reading + Case Offset + Barrel Pressure Correction

H.P. White Laboratory, Inc. | 3114 Scarboro Road | Street, MD 21154 | +1.410.838.6550 | www.hpwhite.com

Consistency

Accuracy

Integrity