



# 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 : NOSLER MATCH HP  
 Catalog No : UNKNOWN  
 Lot No : Sample 29

Case : 6mm PPC FIRE FORMED  
 Case Offset (psi) :  
 Primer : 450 CCI  
 Bullet Wt. (gr.) : 155  
 Powder : 34.0 GRAINS / 1200R  
 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					2545	2545	49,550	49,550	Y	
2					2557	2557	50,375	50,375	Y	
3					2562	2562	49,575	49,575	Y	
4					2566	2566	51,525	51,525	Y	
5					2564	2564	49,600	49,600	Y	
6					2564	2564	49,200	49,200	Y	
7					2555	2555	49,075	49,075	Y	
8					2570	2570	50,175	50,175	Y	
9					2556	2556	49,350	49,350	Y	
10					2567	2567	49,725	49,725	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 :	2570	51,525								
Minimum :	2545	49,075								
Extreme Variation :	25	2,450		0						
Average :	2561	49,815	0							
Standard Deviation :	7.02	685								
Avg +3 Std. Dev. :	2582	51,870								
Standard Error :	2.22	217								
Avg. + 2SE :	2565	50,248								
Avg. + 5SE :	2572	50,898								

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

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Consistency

Accuracy

Integrity