



Laboratory No.: M669A

Hydraulic Ram Verification

Report Date: 10/7/20

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Client No.: ENG000

Test Date: 9/30/20

Project: Engineered Soil Repairs

P.O. No.: Verbal

Item: 30 Ton Ram

Gage Pressure (psi)	Measured Load (lbs.)			
	TEST A	TEST B	TEST C	Average
0	0	0	0	0
1,000	4,356	4,431	4,413	4,400
2,000	11,464	11,513	11,481	11,486
3,000	18,560	18,486	18,484	18,510
4,000	25,590	25,588	25,597	25,592
5,000	32,450	32,407	32,376	32,411
6,000	39,349	39,432	39,347	39,376
7,000	46,801	46,765	46,699	46,755
8,000	53,642	53,762	53,592	53,665
8,500	56,970	56,984	56,972	56,975

Test Machine: 400 kip universal test machine SATEC 400HVL S/N: 3195

SOP 20.600

Test Equipment	Model	Serial No.	Capacity	Other
Gage	Winters	ESR-10	10,000 psi	
Ram	Enerpac	ESR-30-1	30 ton	
Pump				
Other				

Comments:

Results Reported To: Engineered Soil Repairs

TESTING ENGINEERS, INC.

By

Jeff Patterson, Testing Laboratory Supervisor

10-7-2020

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The results presented in this report relate only to the items(s) tested.

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Samples pertaining to this report will be discarded 30 days from the date of this report unless otherwise advised