Residual Shear Test

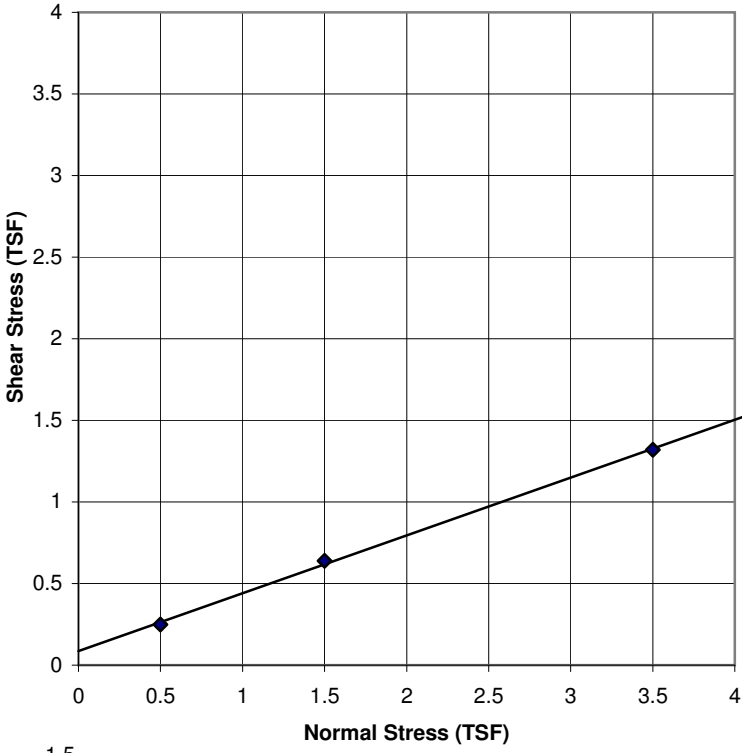
Job No.: **Example**

Project: **Example**
Boring No.: **Ex** Sample No. **Am** Depth: **13-14 ft**
Location: **Ple** Sample Type: **3T**
Soil Type: **Fat Clay w/sand and a trace of gravel (CH)**

Test Date:	**10/30/2005**
Date Reported:	**10/30/2005**
Shear Rate	
0.0009 (in/min)	

Remarks: Specimen was incrementally loaded to 7 tsf then unloaded to 0.5 tsf. Specimen sheared until readings were consistent. Specimen then loaded to 1.5 tsf and sheared until readings were consistent. Specimen was then loaded to 3.5 tsf and sheared until readings were consistent.

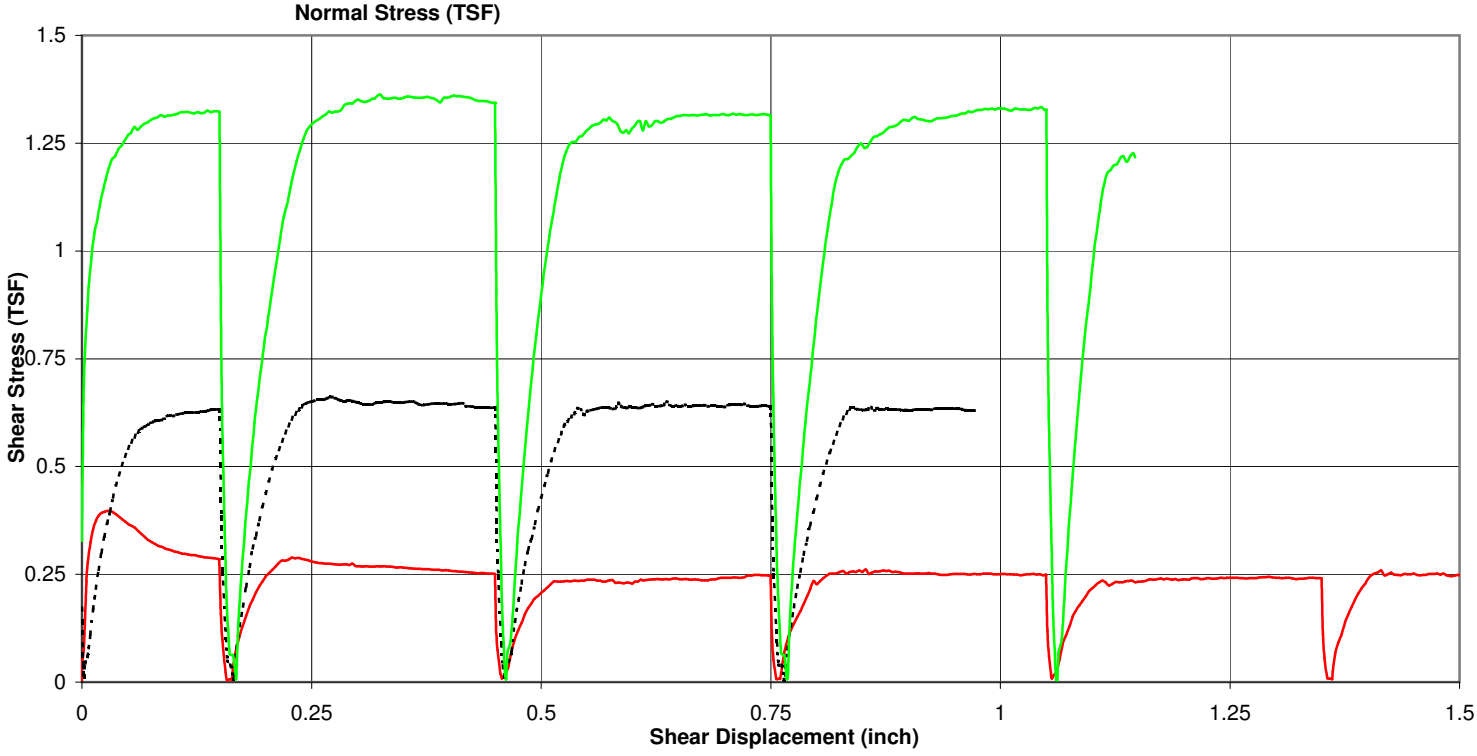
Liquid Limit:	**59.8**
Plastic Limit:	**18.9**
Plasticity Index:	**40.9**
Specific Gravity:	**2.71**



Failure Criterion:				
Residual Stress	A	B	C	D
Initial	▲	◇	○	X
Diameter (In.)	2.51			
Thickness (In.)	1.02			
Water Content (%)	49.2			
Dry Density (pcf)	66.5			
Before Shear				
Thickness (In.)	0.59			
Water Content (%)	17.6			
Dry Density (pcf)	114.6			
Normal Stress	0.50	1.50	3.50	
Shear Stress	0.25	0.64	1.32	

"These tests are for informational purposes only and must be reviewed by a qualified professional engineer to verify that the test parameters shown are appropriate for any particular design."

Residual		
Friction Angle:	ϕ= **19.5**	**deg.**
Apparent Cohesion	**0.087**	**TSF**



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