

DRC Project 2015

The grounded-wye connected Zulu powerhouse transformer outputs 3-phase power nominally at 7.2kV (phase to ground) or 12.5kV (phase to phase). The maximum power specification of the turbine system is 250kVA. The nominal current per phase at maximum power is 11.6A.

Pole design: 10m

- 1) light duty: working load/breaking load 200kg/400kg
 - 2) medium duty: working load/breaking load 400kg/800kg
- working load deflection rate: $\leq 10\%$









Pole design: 10m

1) light duty: working load/breaking load 200kg/400kg

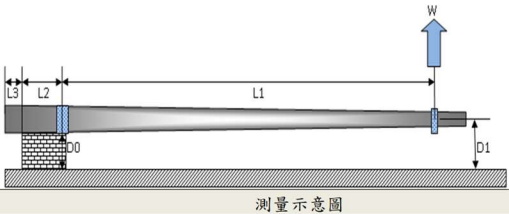
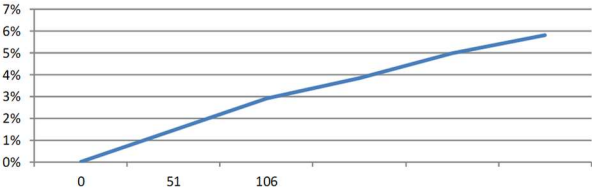
2) medium duty: working load/breaking load 400kg/800kg

working load deflection rate: $\leq 10\%$

Shanghai Tunghsing loading test before shipment:

TEST REPORT							
測試日期 Test date	2015/8/27			產品編號: Production No	-		
測試目的 Purpose	Power pole strength test						
產品型式 Pole type	10M Light Duty Power Pole						
<p>測量示意圖</p>				Dimension			
				L1(cm)	860		
				L2(cm)	140		
				L3(cm)	0		
				開孔位置	0		
				備註			
測試記錄 Test Record							
W(Kg)	D0(cm)	D1(cm)	d0(cm) =D0-D0(W0)	d2(cm) =D1-D1(W0)	Cord Movement(cm)	True Deflection(cm)	Deflect ratio
0	19	29	-	-	-	-	-
65	19.7	51	0.7	22	5.00	17.00	1.98%
100	20	62	1	33	7.14	25.86	3.01%
150	20.4	77	1.4	48	10.00	38.00	4.42%
203	20.9	94	1.9	65	13.57	51.43	5.98%
250	21	110	2	81	14.29	66.71	7.76%
300	22.5	126	3.5	97	25.00	72.00	8.37%
350	23	142	4	113	28.57	84.43	9.82%
400	23.5	157	4.5	128	32.14	95.86	11.15%
						測試過程描述	
測試結果 Test Result							
Pass	測試人	Tested By		Li Dasong			
	監測人	Supervised By					
	主管	Approved By		Lu Yanwei			

TEST REPORT

測試日期 Test date	2015/9/7	產品編號: Production No	T150905-005				
測試目的 Purpose	Power pole strength test						
產品型式 Pole type	10M Medium Duty Power Pole						
 <p style="text-align: center;">測量示意圖</p>		Dimension					
		L1(cm)	860				
		L2(cm)	140				
		L3(cm)	0				
		開孔位置	0				
		備註					
測試記錄 Test Record							
W(Kg)	D0(cm)	D1(cm)	d0(cm) =D0-D0(W0)	d2(cm) =D1-D1(W0)	Cord Movement(cm)	True Deflection(cm)	Deflect ratio
0	14.4	16	-	-	-	-	-
51	14.6	30	0.2	14	1.43	12.57	1.46%
106	15.1	46	0.7	30	5.00	25.00	2.91%
152	15.5	57	1.1	41	7.86	33.14	3.85%
203	15.8	69	1.4	53	10.00	43.00	5.00%
252	16.2	79	1.8	63	12.86	50.14	5.83%
307	16.4	91	2	75	14.29	60.71	7.06%
354	16.7	100	2.3	84	16.43	67.57	7.86%
407	17	112	2.6	96	18.57	77.43	9.00%
461	17.3	123	2.9	107	20.71	86.29	10.03%
505	17.5	130	3.1	114	22.14	91.86	10.68%
550	17.7	140	3.3	124	23.57	100.43	11.68%
605	18	149	3.6	133	25.71	107.29	12.48%
648	18.2	157	3.8	141	27.14	113.86	13.24%
701	18.4	167	4	151	28.57	122.43	14.24%
742	18.6	175	4.2	159	30.00	129.00	15.00%
806	18.9	187	4.5	171	32.14	138.86	16.15%
<div style="text-align: center;">Deflect ratio</div> 					測試過程描述		
測試結果 Test Result							
Pass	測試人	Tested By		Li Dasong			
	監測人	Supervised By					
	主管	Approved By		Lu Yanwei			