

6. Compare the pickup test result to the manufacturer's specifications and calculate the percent error as shown in the following example.

DIFFERENTIAL TEST RESULTS								
PICK UP	0.3		TIME DELAY	0				CORR
SLOPE 1	20%		TAP1	2.41		W1CTC	12	1
SLOPE 2	60%		TAP2	4.61		W2CTC	1	1.732
PICKUP TESTS								
TEST	IAW2 (A)		IAW1 - ICW1 (A)	IRT	IOP	EXPECTED	ACTUAL	ERROR (%)
1	0.0	A	0.736	0.153	0.305	0.30	0.31	1.80
2	5.0	A	2.239	0.778	0.303	0.30	0.30	0.94
3	15.0	A	5.54	2.089	0.420	20.00	20.11	0.57
4	20.0	A	7.394	2.786	0.563	20.00	20.21	1.06
5	25.0	A	9.923	3.624	0.986	60.00	60.33	0.54
6	30.0	A	12.726	4.519	1.523	60.00	60.26	0.44
TEST	IBW2 (A)		IBW1 - IAW1 (A)	IRT	IOP	EXPECTED	ACTUAL	ERROR (%)
7	0.0	A	0.732	0.152	0.304	0.30	0.30	1.24
8	5.0	A	2.24	0.778	0.303	0.30	0.30	1.08
9	15.0	A	5.544	2.090	0.422	20.00	20.19	0.93
10	20.0	A	7.382	2.784	0.558	20.00	20.05	0.26
11	25.0	A	9.902	3.620	0.978	60.00	60.16	0.26
12	30.0	A	12.711	4.516	1.517	60.00	60.17	0.28
TEST	ICW2 (A)		ICW1 - IBW1(A)	IRT	IOP	EXPECTED	ACTUAL	ERROR (%)
13	0.0	A	0.732	0.152	0.304	0.30	0.30	1.24
14	6.0	A	2.544	0.904	0.304	0.30	0.30	1.38
15	15.0	A	5.535	2.088	0.418	20.00	20.02	0.12
16	21.0	A	7.753	2.924	0.587	20.00	20.08	0.38
17	24.0	A	9.342	3.441	0.871	60.00	60.17	0.28
18	27.0	A	11.035	3.980	1.197	60.00	60.23	0.38

7. Repeat Steps 2-6 for all three phases.
8. Repeat the pickup test for all windings that are part of the differential scheme. If more than two windings are used, change all connections and references to W2 to the next winding under test. (W2 becomes W3 for W1 to W3 tests)