CASTING ANALYZER
CAST SUMMARY

Enter your

(000) 000-0000

Rod model: Reel model: Line: Cast: 50'

Cast Name: Paul1

	Forward Cast			Back Cast		
	YOU	EXPERT	COMMENTS	YOU	EXPERT	COMMENTS
Cast Symmetry	61	100	Needs work			
Cast Arc	71	78	Excellent	76	78	Excellent
Creep	0	0	Good	22	0	Needs work
Smoothness Ratio	7.9	5.0	Excellent	3.9	5.0	Excellent
Peak Speed	358	330	Excellent	-220	-330	Needs work
Deceleration	-3315	-3000	Excellent	416	3000	Needs work
Stop	40	2	Needs work	-204	-2	Needs work
Rod Load	27	30	Excellent	6	30	Needs work

Symmetry

Cast Symmetry   Your Score: 61   Expert Score: 100   Result: Needs work

Your cast exhibits 61% symmetry. This is not as symmetrical as the expert's symmetry of 90% or greater. Peak rotation speed is 358 degrees/sec on the forward cast, -220 degrees/sec on the back cast. Compare your cast with the expert's.

Cast Arc

Forward Cast   Your Score: 71   Expert Score: 78   Result: Excellent

Your rod arc is 71 degrees, the expert's arc is 78 degrees. Your arc is very similar to that of the expert's arc indicating your loop is most likely good, assuming that your peak speed, smoothness, stop and rod load are also similar.

Back Cast   Your Score: 76   Expert Score: 78   Result: Excellent

Your rod arc is 76 degrees, the expert's arc is 78 degrees. Your arc is very similar to that of the expert's arc indicating your loop is most likely good, assuming that your peak speed, smoothness, stop and rod load are also similar.

Creep

Forward Cast   Your Score: 0   Expert Score: 0   Result: Good

No creep detected.

Back Cast   Your Score: 22   Expert Score: 0   Result: Needs work

Your cast exhibits 22 degrees of 'creep', premature rod rotation forward, effectively shortening your rod arc for the back cast. This will usually result in tailing loops. To solve this problem, make sure you don't prematurely move the rod forward slowly.

Smoothness Ratio

Forward Cast   Your Score: 7.9   Expert Score: 5.0   Result: Excellent

Your smoothness ratio is 7.9. The expert's smoothness ratio is 5.0. This indicates very smooth power application, usually an indication of good loops and efficient power application. Working to make your smoothness ratio even lower will yield worthwhile results. Very good.

Back Cast   Your Score: 3.9   Expert Score: 5.0   Result: Excellent

Your smoothness ratio is 3.9. The expert's smoothness ratio is 5.0. This indicates very smooth power application, usually an indication of good loops and efficient power application. Working to make your smoothness ratio even lower will yield worthwhile results. Very good.

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Peak speed   **Forward Cast**   Your Score: 358   Expert Score: 330   Result: Excellent

Your forward cast peak speed is 358 degrees/sec. Well done! Peak speeds in this range are usually an indicator of good, efficient casting at moderate speed.

Back Cast   Your Score: -220   Expert Score: -330   Result: Needs work

Your back cast peak speed is -220 degrees/sec and the expert's is -330 degrees/sec. Your peak is much smaller than the expert's and you should increase it substantially.

Deceleration   **Forward Cast**   Your Score: -3315   Expert Score: -3000   Result: Excellent

Your deceleration rate is -3315 d/s/s, the expert's deceleration rate is -3000 d/s/s. Your deceleration is excellent and will help to make very good, tight loops.

Back Cast   Your Score: 416   Expert Score: 3000   Result: Needs work

Your deceleration rate is 416 d/s/s, the expert's deceleration rate is 3000 d/s/s. Your deceleration is relatively slow. Decelerating the rod more quickly will result in tighter loops.

Stop   **Forward Cast**   Your Score: 40   Expert Score: 2   Result: Needs work

Your stop was not very complete, reaching 40 d/s, compared to the expert's stop of 2 d/s. Relatively incomplete stops like this will result in rounded, less efficient loops. For tighter loops, stop the rod more completely.

Back Cast   Your Score: -204   Expert Score: -2   Result: Needs work

Your stop was not very complete, reaching -204 d/s, compared to the expert's stop of -2 d/s. Relatively incomplete stops like this will result in rounded, less efficient loops. For tighter loops, stop the rod more completely.

Rod Load   **Forward Cast**   Your Score: 27   Expert Score: 30   Result: Excellent

Your rod load ratio is 27%, compared to 30% for the expert cast. This is a good ratio and indicates a good previous back loop. The good loop resulted in a straight line that offered good resistance to rod acceleration, causing more rod load, and resulting high load ratio.

Back Cast   Your Score: 6   Expert Score: 30   Result: Needs work

Your rod load ratio is 6%, compared to 30% for the expert cast. This is a low ratio and indicates a poor previous forward loop. Usually the reason for the poor loop can be found by comparing the forward cast rod arc, peak speed, smoothness ratio and stop data to the expert cast.