CASTING ANALYZER
CAST SUMMARY

Enter your

(000) 000-0000

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

Cast Name: John1

	Forward Cast			Back Cast		
	YOU	EXPERT	COMMENTS	YOU	EXPERT	COMMENTS
Cast Symmetry	94	100	Excellent			
Cast Arc	83	78	Excellent	79	78	Excellent
Creep	17	0	Needs work	0	0	Good
Smoothness Ratio	7.1	5.0	Excellent	13.3	5.0	Needs work
Peak Speed	332	330	Excellent	-313	-330	Good
Deceleration	-2585	-3000	Needs work	2304	3000	Needs work
Stop	24	2	Good	-45	-2	Needs work
Rod Load	28	30	Excellent	7	30	Needs work

Symmetry

Cast Symmetry   Your Score: 94   Expert Score: 100   Result: Excellent

Your cast exhibits 94% symmetry. This is very close to the expert's symmetry of 90% or greater. Symmetry this high is often a good indicator of good technique and casting efficiency. Peak rotation speed is 332 degrees/sec on the forward cast, -313 degrees/sec on the back cast.

Cast Arc

Forward Cast   Your Score: 83   Expert Score: 78   Result: Excellent

Your rod arc is 83 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: 79   Expert Score: 78   Result: Excellent

Your rod arc is 79 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: 17   Expert Score: 0   Result: Needs work

Your cast exhibits 17 degrees of 'creep', premature forward motion, effectively shortening your rod arc for the forward cast. This will usually result in tailing loops. To solve this problem, make sure you don't prematurely move the rod forward slowly.

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

No creep detected.

Smoothness Ratio

Forward Cast   Your Score: 7.1   Expert Score: 5.0   Result: Excellent

Your smoothness ratio is 7.1. 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: 13.3   Expert Score: 5.0   Result: Needs work

Your smoothness ratio is 13.3. The expert's smoothness ratio is 5.0. This indicates abrupt power application, the kind that often causes tailing loops. High smoothness ratios indicate rod acceleration that starts too slowly, too soon, followed by hard acceleration later. Begin accelerate your rod slightly later, accelerate smoothly. Your goal is to make the curve as straight as possible.

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Peak speed

Forward Cast Your Score: 332 Expert Score: 330 Result: Excellent

Your forward cast peak speed is 332 degrees/sec. Well done! Peak speeds in this range are usually an indicator of good, efficient casting at moderate speed.

Back Cast Your Score: -313 Expert Score: -330 Result: Good

Your back cast peak speed is -313 degrees/sec and the expert's is -330 degrees/sec. Your peak is a little smaller than the expert's so try to increase it just a little.

Deceleration

Forward Cast Your Score: -2585 Expert Score: -3000 Result: Needs work

Your deceleration rate is -2585 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.

Back Cast Your Score: 2304 Expert Score: 3000 Result: Needs work

Your deceleration rate is 2304 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: 24 Expert Score: 2 Result: Good

Your stop was fairly complete, reaching 24 d/s, compared to the expert's stop of 2 d/s or less. This is a very functional stop, but for tighter loops, stop the rod more completely.

Back Cast Your Score: -45 Expert Score: -2 Result: Needs work

Your stop was not very complete, reaching -45 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: 28 Expert Score: 30 Result: Excellent

Your rod load ratio is 28%, 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: 7 Expert Score: 30 Result: Needs work

Your rod load ratio is 7%, 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.