



EARLY	DRIVE	ANAL	/SIS	PURCE	RVERANCE	- Boa	at Sp	eed, Ri	gging &	Technic	ue Analy	sis	v. 2024-02-12
ר 6.0	E	2 1		z	H	· ¥	Δ	티 と		sys ac	cel		
	EAC	H l	ULA	Ê		PEA	Ë	NTB		full re	ach		
	E R	ш і	BC	RAC	FEA	1	S	""		perpe	ndicular	-	
5.5	5	- 1	E N	<u></u>				Ē		finish		7.	
		1	PER			1				feath	er	and the second second	
		1	ARI							full re	ach 2	11.344	full reach
50		1	Early (drive is ty						entrv	2	2935	
			from t	the Entry	to after	/	r	review pic	tures entr	y to knee	s 90		
s/r	the legs (knee joint) is also <u>review the video</u> :										<u>ieo</u> : r to		
<u>ــــــــــــــــــــــــــــــــــــ</u>	to take 1	gh 90 deg	degrees. 'hang on' as the legs drive down						wn? knees	1			
			2. do the legs (knee joint opening						ing)		And And And		
		1	continue to drive down in the early drive						ive, i 🗞	11.494	entry		
AT :		تبليم الم			3. do the blades continue to go deeper i						rin S		
<u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	water following the initial entry? is it too									too ⁰			
	deep?										ep?		112.00
											Ă	-	
3.5	3.5 Drive Hump - loss in acceleration following entry										-6.25	-	The Party Name
		Σı	4. is	the initia	al acceleratio	on at en	ntry to	oo high?				11.678	knees 90
	<u> </u>		5. d	oes accel	eration drop	below	zero,	(horz. gro	en line)?			1	
	if so this must be addressed12.50									-12.50	-		
	1		12.0	12.0 TIME (4.0	1	
Li		ñ 📕											
	· .			Video File video file Boat Length								-	STATE OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER O
		× /	- i	Vide	eo Location	#####	###			Video 1	Time & Date	12.012	oars perp.
			0	Video I	Description		0			12:00 AN	/ 1900-01-00		
	_		split			dist/s	stk	spd m/s	split	% GMS			
	THIS E	XAMPLE	n/a	Curv	e Avgerage	7.9	5	4.253	1:57.56	91.23%	5		
	IS NOT T	HIS CURVE		Care	ory Average	7.84	4	4 4 2 5	1.23 00	94 9%			
G	MS Time	7.09.00	1.47.25	Diff. (a	bove/below)	0.11	1	_0 172	+4 56	-3 7%	-	100	and the second s
ΔΝΔΙ ΥΣΙΣ	time	hoat speed	Weather [.]	(⁻	,	0.11	1	-0.172	ctorn	-J.770	0.00	12 262	extraction
full reach	11 34	3 90	Air Temp		0		eboa		0	Catch		12.202	
ontry	11 /0	2.07	Mator:		0		ull fre		0	Einich	0.0 [±]		
entry	12.01	3.07	*Drive	Time	0.05		Ĩ	0	U	FIIIISII	0.0		a faith
perprideir	12.01	4.03		: Time (se	c.) 0.95						0.84		and the
extraction	12.26	4.57	*Bla	ade Slip (m) +0.18						+0.04	~	
feather	12.45	4.59	Eff. Strok	e Lngth (m) 2.87						2.66		
peak speed	12.93	5.18	Stroke Po	osition (>	PI) 67.4%						67.6%	12.445	feather/finish
full rch 2	13.23	3.89	*Stroke	e Rate (spi	m) 32.1						33.9		
entry2	13.36	3.07	Stroke	Ratio (R/P		Drive H	umn	factor val	110		1.11		
sculler/crev	r/crew average: length: 0.00 (m) 6. how does Drive Hump factor value it compare to (kg)								(kg)				
SIS	Span	0		the standard?								217	
	ar Length	286			- this is a ne	gative v	value	as it repr	esents a lo	oss in	60.5%		and the second second
AN	Inboard	0			- lower (mo	 re nega	tive)	numbers	will requir	re a very	o 39.5%	12.779	hands over knees
Notes:					close look a	t the vio	deo.		<u> </u>		o ਵਿ 537 cm		
TECHNIQUE	E ANALYS	IS	Distanc	e per Strol	ke 7.95			Ref:	W1x	WC '17-'	19,'22,'23 (59)		
- Entry	Time (full re	each to entry)	0.14	compare	this time with	h the sta	Indara	1.		1	0.14	-	-
Entry	y Time % o	f Stk Cycle	7.6%	this is th	e percentage	of the sti	rke cy	cle			8.0%		Dece
Q 2	Drive Hun	np. (t*accel.)	-0.024	,		_				- /	-0.037	-	
Drive	e Accel. (ent	ry to extract)	1.95					-0.037 v	alue is the		2.16	12.930	peak boat speed
Drive Ac	ccl. Eff. (ent	ry to extract)	89.9%				ave tl	his boat o	lass at the		86.0%		
🚡 🛛 Perp t	o Extract A					Wor	ld Champ	s	2.37				
Drive Speed % of Avg. Speed 90.0%												201	
System	n Speed Ch	ange (m/s)	0.69	6	he term Driv	o Humn	a was	identifier	l by		0.61		
Brelease Time (extract to feather) 0.18 Dr. Valery Kleshnev and discussed in his										0.15	-	And a state of the local division of the loc	
Release Time % of Stk Cycle 9.9% book, <i>The Biomechanics of Rowing</i> (2017)										8.6%	13.229	full reach2	
Release Speed Change (m/s) +0.02 +0.02											+0.03	-	
Recovery Accel. (feather to peak) 1.21											1.37		
Rec. Accel Eff. (feather to peak) 83.5% 82.5													
G 7 Recovery Peak Speed (% of Rec) 61.7% 65.8													18
											113.4%		The second se
Decel	eration (pe	eak to entry2)	-4.86								-4.87	13.363	entry 2
⁹ Deceleration Time (sec.) 0.47										0.45	5	-	
Deceleratio	Deceleration Time % of Stk Cycle 25.0%										25.3%	5	









