



2023 JRG QUAL #11 (U15B U18B U20BG)



Oil Pattern Distance35

Reverse Brush Drop28

Oil Per Board50 uI

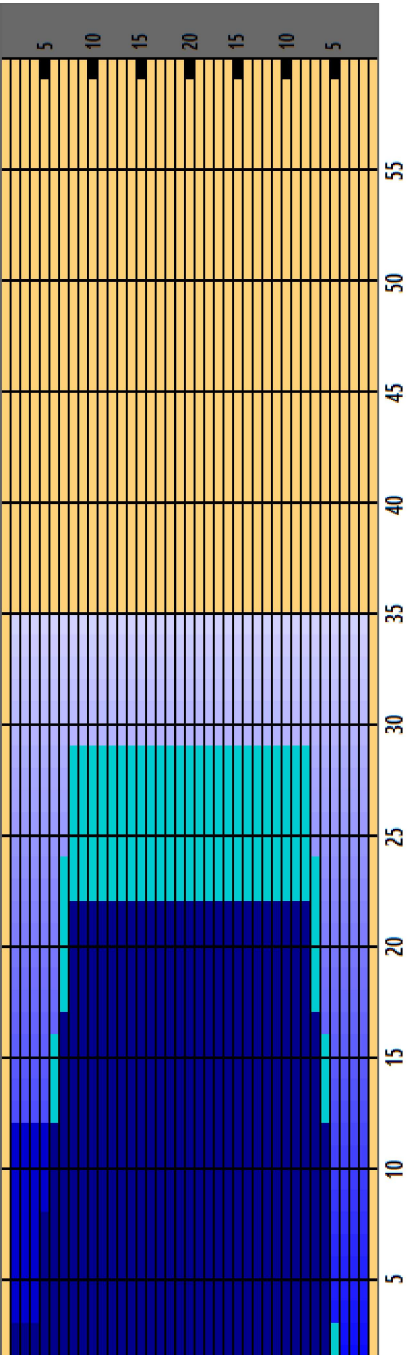
Forward Oil Total19.2 mL

Reverse Oil Total6.85 mL

Volume Oil Total26.05 mL

	START	STOP	LOADS	SPEED	CROSSED	START	END	FEET	T.OIL
1	2L	2R	1	14	37	0.00	0.00	0.00	1850
2	2L	4R	1	14	35	0.00	1.90	1.90	1750
3	2L	5R	1	14	34	1.90	3.80	1.90	1700
4	5L	6R	2	18	60	3.80	8.90	5.10	3000
5	6L	6R	3	18	87	8.90	16.50	7.60	4350
6	7L	7R	3	18	81	16.50	24.10	7.60	4050
7	8L	8R	2	18	50	24.10	29.20	5.10	2500
8	2L	2R	0	22	0	29.20	35.00	5.80	0

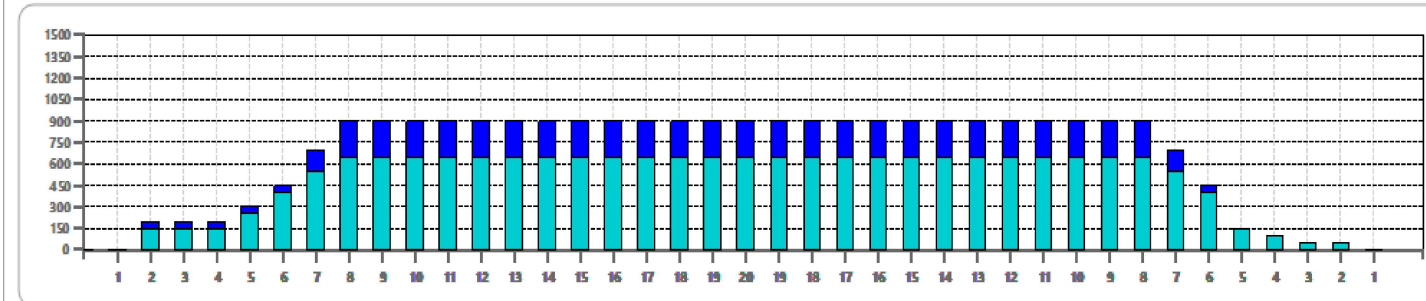
	START	STOP	LOADS	SPEED	CROSSED	START	END	FEET	T.OIL
1	2L	2R	0	30	0	35.00	22.00	-13.00	0
2	8L	8R	2	18	50	22.00	16.90	-5.10	2500
3	7L	7R	2	18	54	16.90	11.80	-5.10	2700
4	2L	6R	1	14	33	11.80	9.90	-1.90	1650
5	2L	2R	0	14	0	9.90	0.00	-9.90	0



Kegel Fire Oil

Item	3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Description	Outside:Middle	Middle:Middle	Inside:Middle	Middle:Inside	Middle:Middle	Middle:Outside
Track Zone Ratio	243	1	1	1	1	3,1

Forward Reverse

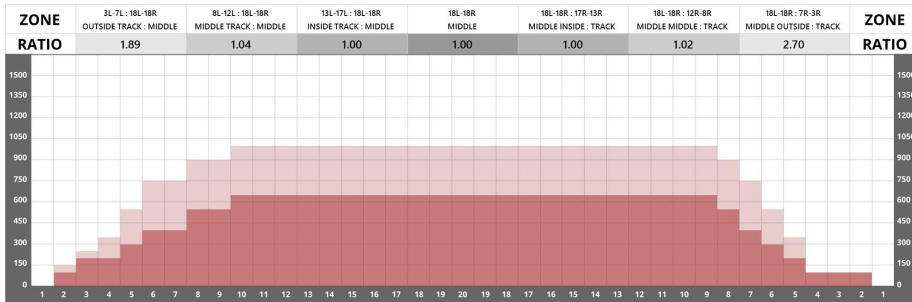




11 2024 JUNIOR GOLD QUALIFYING 1 (U18B)



DISTANCE:	37 FEET	VOLUME:	29.45 mL
RATIO:	2.70:1	FORWARD:	18.75 mL
DROP BRUSH:	35 FEET	REVERSE:	10.7 mL
TANKS:	FIRE	PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	2	50	14	0 → 2	3,700
2	3L	5R	2	50	14	2 → 6	3,300
3	5L	6R	2	50	18	6 → 11	3,000
4	6L	7R	2	50	18	11 → 16	2,800
5	8L	8R	3	50	18	16 → 24	3,750
6	10L	9R	2	50	22	24 → 30	2,200
7	2L	2R	0	50	26	30 → 37	0

REVERSE LOADS DATA

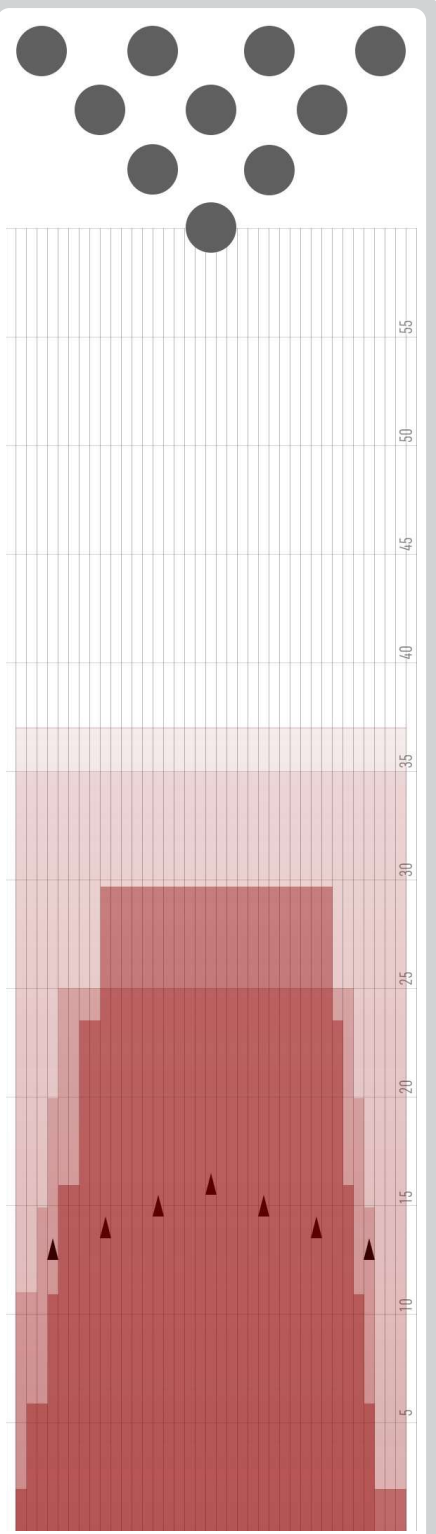
#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	35 → 25	0
2	6L	7R	2	50	18	25 → 20	2,800
3	5L	6R	2	50	18	20 → 15	3,000
4	4L	5R	2	50	14	15 → 11	3,200
5	2L	5R	1	50	14	11 → 9	1,700
6	2L	2R	0	50	14	9 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

This pattern may require adjustments if using a lane machine that does not have these features

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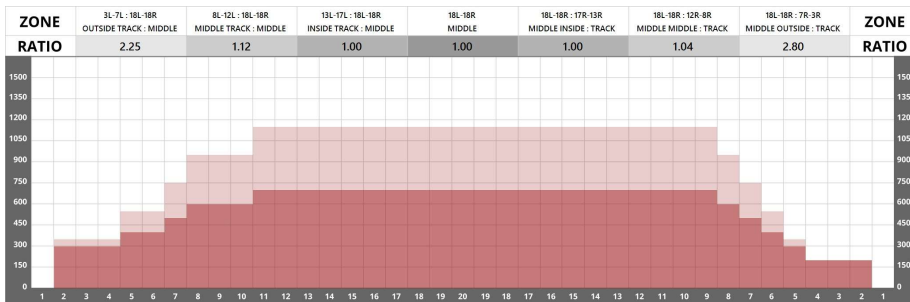
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15 2024 JUNIOR GOLD ADVANCERS 1 (U18B)



DISTANCE:	39 FEET	VOLUME:	33.1 mL
RATIO:	2.80:1	FORWARD:	21.1 mL
DROP BRUSH:	39 FEET	REVERSE:	12 mL
TANKS:	ICE	PUMP:	50 μ L



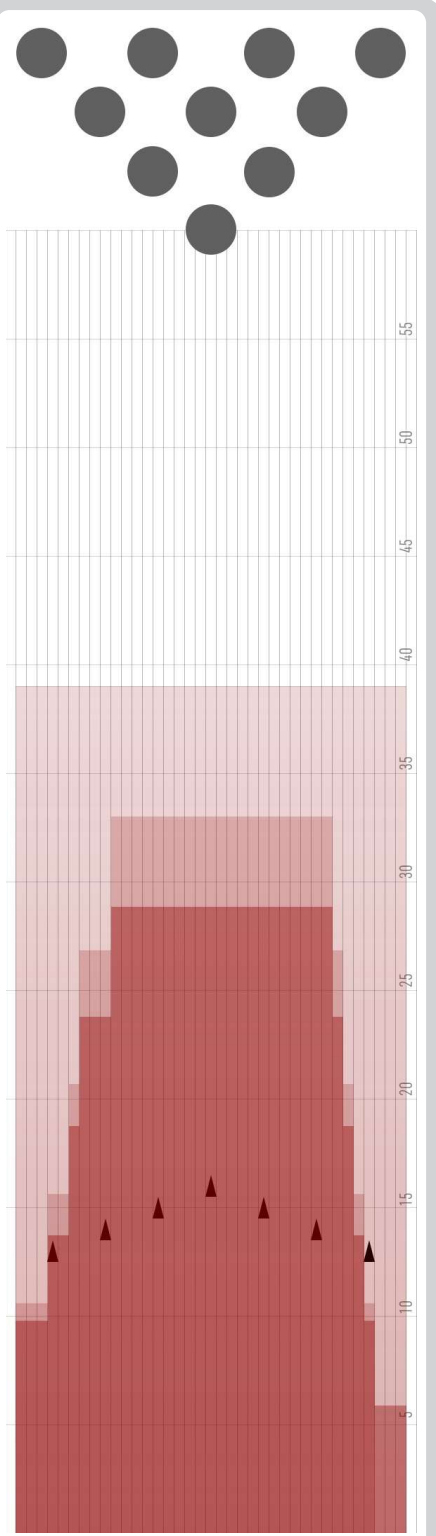
FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	4	50	14	0 → 6	7,400
2	2L	5R	2	50	14	6 → 10	3,400
3	5L	6R	2	50	14	10 → 14	3,000
4	7L	7R	2	50	18	14 → 19	2,700
5	8L	8R	2	50	18	19 → 24	2,500
6	11L	9R	2	50	18	24 → 29	2,100
7	2L	2R	0	50	18	29 → 39	0

REVERSE LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	39 → 33	0
2	11L	9R	2	50	22	33 → 27	2,100
3	8L	8R	2	50	22	27 → 21	2,500
4	7L	7R	2	50	18	21 → 16	2,700
5	5L	6R	2	50	18	16 → 11	3,000
6	2L	5R	1	50	14	11 → 9	1,700
7	2L	2R	0	50	14	9 → 0	0

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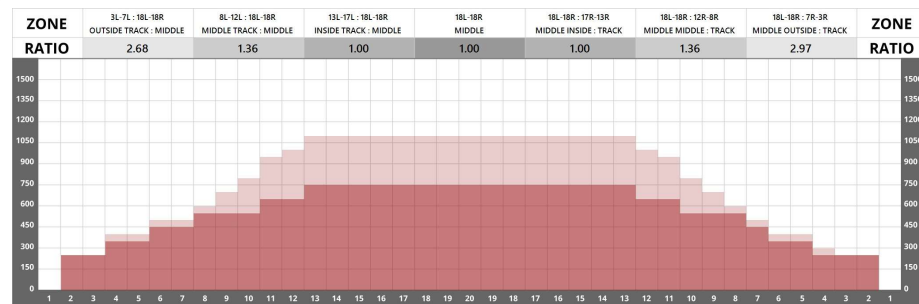




12 2024 JUNIOR GOLD QUALIFYING PATTERN 2 (U18B)



DISTANCE:	40 FEET	VOLUME:	29 mL
RATIO:	2.97:1	FORWARD:	21.15 mL
DROP BRUSH:	38 FEET	REVERSE:	7.85 mL
TANKS:	FIRE	PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	5	50	14	0 → 8	9,250
2	4L	5R	2	50	18	8 → 13	3,200
3	6L	7R	2	50	18	13 → 18	2,800
4	8L	8R	2	50	18	18 → 23	2,500
5	11L	11R	2	50	18	23 → 28	1,900
6	13L	13R	2	50	18	28 → 33	1,500
7	2L	2R	0	50	22	33 → 40	0

REVERSE LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	38 → 24	0
2	12L	12R	1	50	18	24 → 21	850
3	11L	11R	1	50	18	21 → 19	950
4	10L	10R	2	50	18	19 → 14	2,100
5	9L	9R	2	50	14	14 → 10	2,300
6	4L	4R	1	50	14	10 → 8	1,650
7	2L	2R	0	50	14	8 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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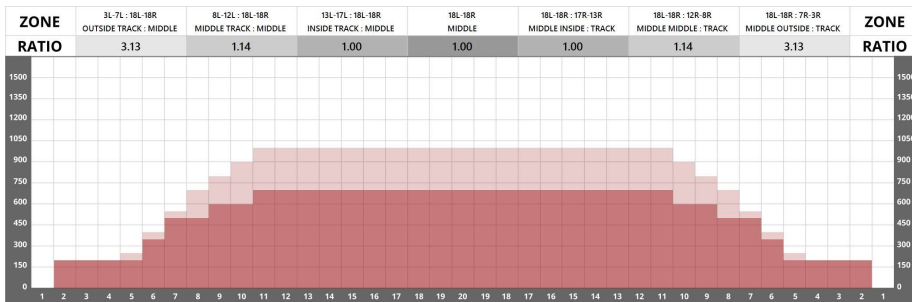




33 2024 JUNIOR GOLD TV (U18BG)



DISTANCE:	41 FEET	VOLUME:	27.4 mL
RATIO:	3.13:1	FORWARD:	20 mL
DROP BRUSH:	37 FEET	REVERSE:	7.4 mL
TANKS:		PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	4	50	18	0 → 8	7,400
2	6L	6R	3	50	18	8 → 15	4,350
3	7L	7R	3	50	18	15 → 23	4,050
4	9L	9R	2	50	18	23 → 28	2,300
5	11L	11R	2	50	22	28 → 34	1,900
6	2L	2R	0	50	22	34 → 37	0
7	2L	2R	0	50	26	37 → 41	0

REVERSE LOADS DATA

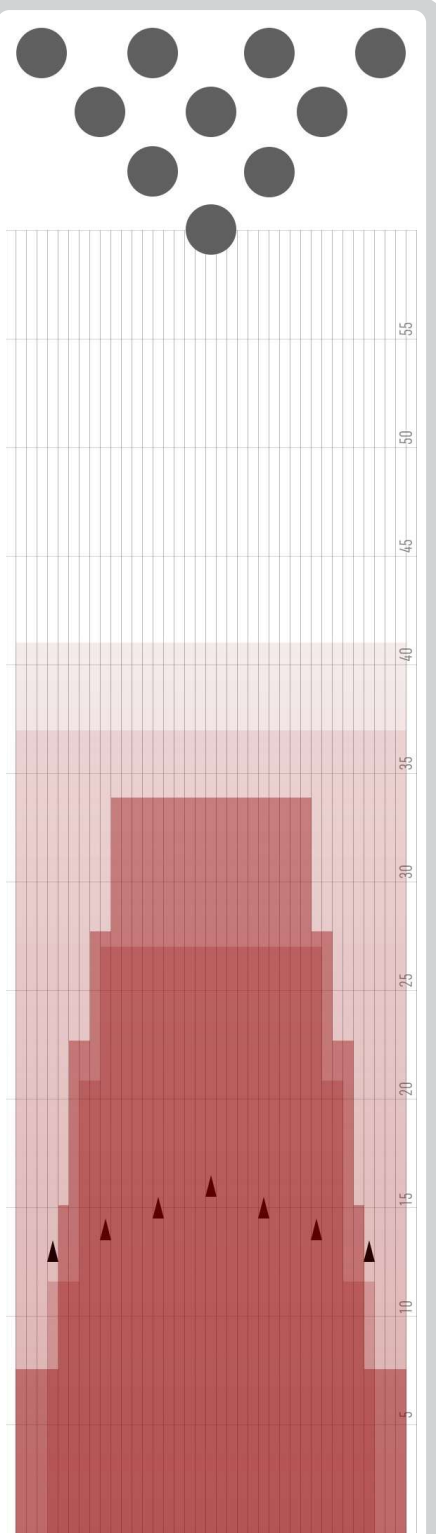
#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	37 → 27	0
2	10L	10R	2	50	22	27 → 21	2,100
3	8L	8R	3	50	22	21 → 12	3,750
4	5L	5R	1	50	22	12 → 9	1,550
5	2L	2R	0	50	18	9 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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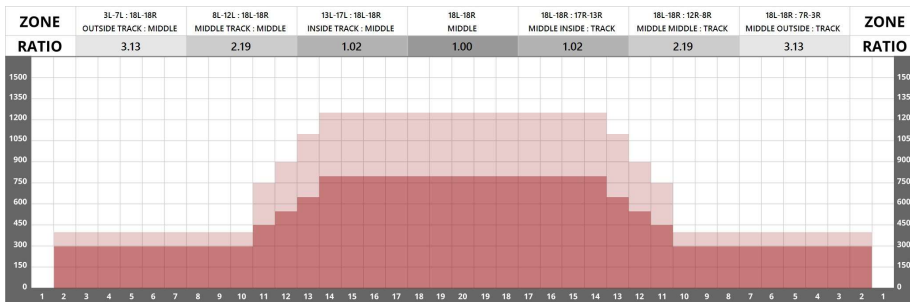




13 2024 JUNIOR GOLD QUALIFYING 3 (U18B)



DISTANCE:	43 FEET	VOLUME:	28.95 mL
RATIO:	3.13:1	FORWARD:	19.1 mL
DROP BRUSH:	40 FEET	REVERSE:	9.85 mL
TANKS:	FIRE	PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	6	50	14	0 → 10	11,100
2	11L	11R	3	50	18	10 → 17	2,850
3	12L	12R	2	50	18	17 → 22	1,700
4	13L	13R	2	50	18	22 → 27	1,500
5	14L	14R	3	50	18	27 → 35	1,950
6	2L	2R	0	50	18	35 → 43	0

REVERSE LOADS DATA

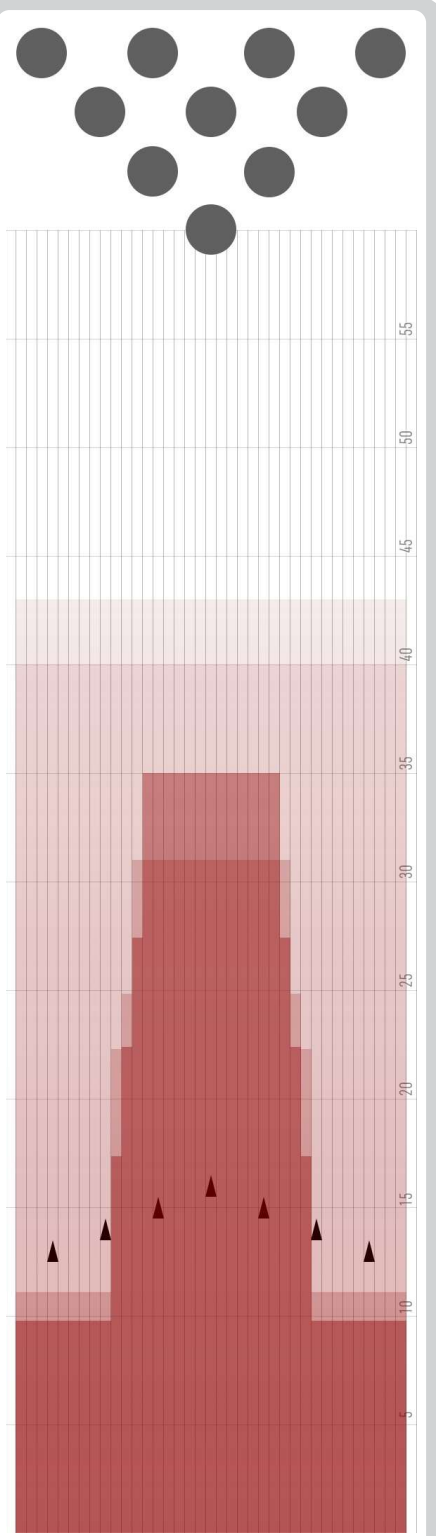
#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	40 → 31	0
2	13L	13R	2	50	22	31 → 25	1,500
3	12L	12R	1	50	18	25 → 22	850
4	11L	11R	2	50	22	22 → 16	1,900
5	11L	11R	2	50	18	16 → 11	1,900
6	2L	2R	2	50	18	11 → 6	3,700
7	2L	2R	0	50	14	6 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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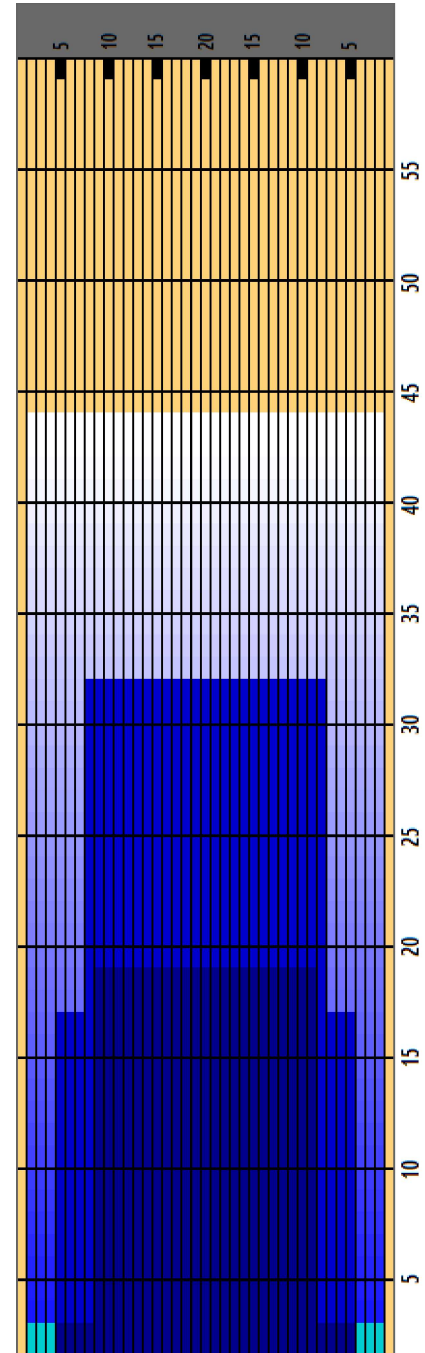
2023 JRG TV #8 (ALL DIVISIONS)



Oil Pattern Distance **44** Reverse Brush Drop **40** Oil Per Board **50 ul**
Forward Oil Total **12.45 mL** Reverse Oil Total **13.7 mL** Volume Oil Total **26.15 mL**

	START	STOP	LOADS	SPEED	CROSSED	START	END	FEET	T.OIL
1	2L	2R	3	14	111	0.00	3.90	3.90	5550
2	9L	9R	6	18	138	3.90	19.20	15.30	6900
3	2L	2R	0	22	0	19.20	44.00	24.80	0

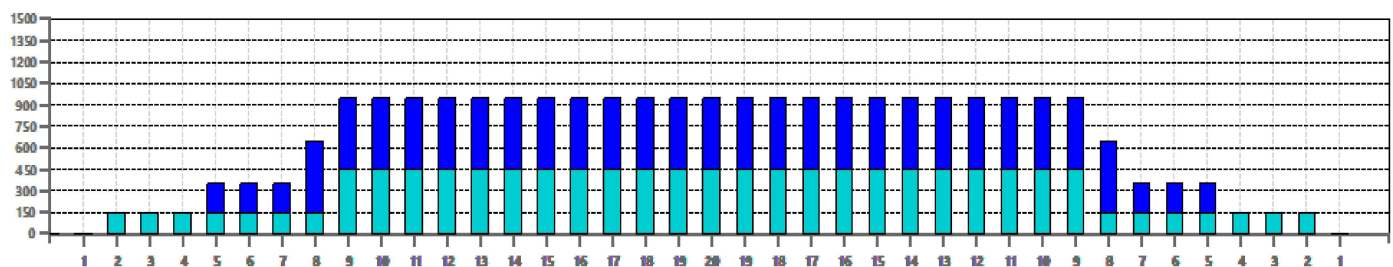
	START	STOP	LOADS	SPEED	CROSSED	START	END	FEET	T.OIL
1	2L	2R	0	30	0	44.00	32.00	-12.00	0
2	8L	8R	6	18	150	32.00	16.70	-15.30	7500
3	5L	5R	4	18	124	16.70	6.50	-10.20	6200
4	2L	2R	0	14	0	6.50	0.00	-6.50	0



Kegel Fire Oil

Item	3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Description	Outside:Middle	Middle:Middle	Inside:Middle	Middle:Inside	Middle:Middle	Middle:Outside
Track Zone Ratio	3.52	1.07	1	1	1.07	3.52

Forward Reverse





17 2024 JUNIOR GOLD MATCH PLAY (U18B)



DISTANCE:	45 FEET	VOLUME:	27.2 mL
RATIO:	2.40:1	FORWARD:	18.5 mL
DROP BRUSH:	43 FEET	REVERSE:	8.7 mL
TANKS:	ICE	PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	10	50	18	0 → 23	18,500
2	2L	2R	0	50	22	23 → 41	0
3	2L	2R	0	50	10	41 → 45	0

REVERSE LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	43 → 40	0
2	15L	15R	9	50	18	40 → 17	4,950
3	13L	13R	5	50	14	17 → 8	3,750
4	2L	2R	0	50	10	8 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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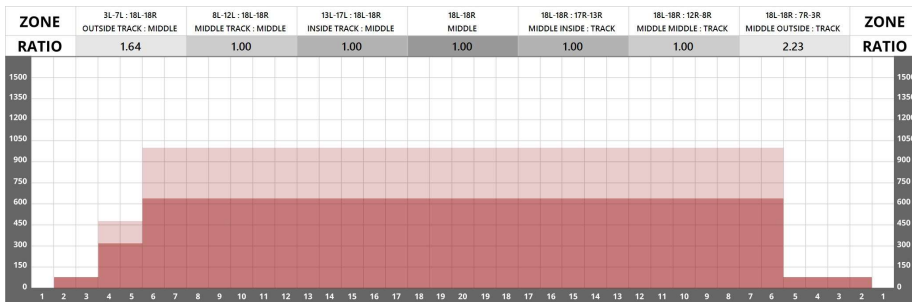




14 2024 JUNIOR GOLD QUALIFYING 4 (U18B)



DISTANCE:	46 FEET	VOLUME:	30.44 mL
RATIO:	2.23:1	FORWARD:	19.68 mL
DROP BRUSH:	40 FEET	REVERSE:	10.76 mL
TANKS:	FIRE	PUMP:	40 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	2	40	14	0 → 2	2,960
2	4L	6R	6	40	18	2 → 17	7,440
3	6L	6R	4	40	18	17 → 27	4,640
4	6L	6R	4	40	22	27 → 39	4,640
5	2L	2R	0	40	22	39 → 46	0

REVERSE LOADS DATA

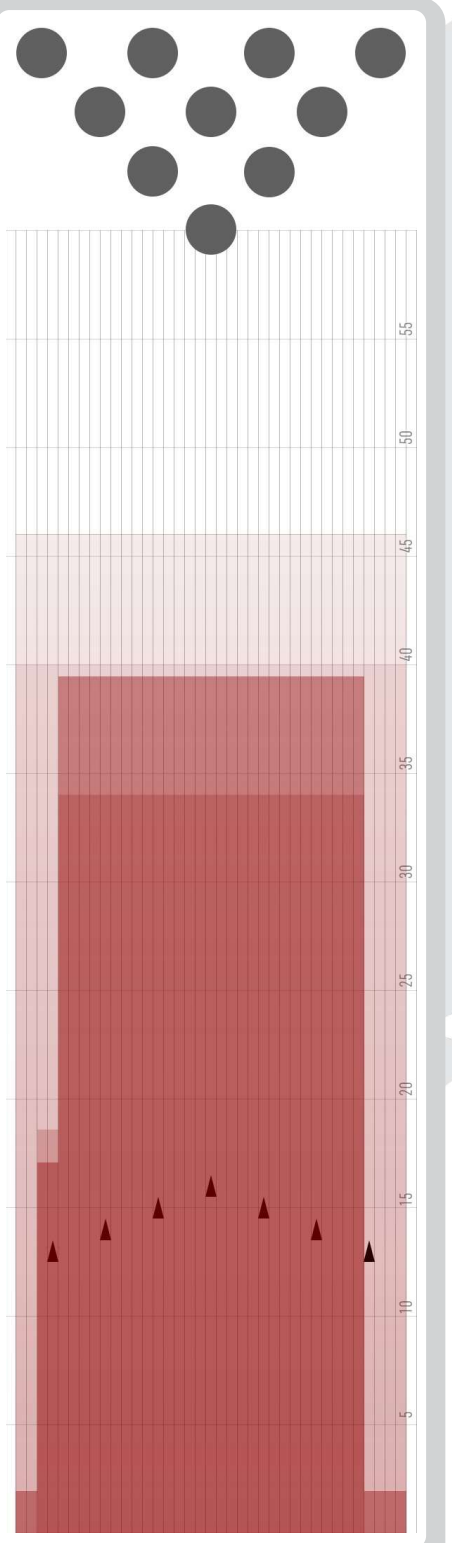
#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	40	30	40 → 34	0
2	6L	6R	5	40	22	34 → 19	5,800
3	4L	6R	4	40	18	19 → 9	4,960
4	2L	2R	0	40	14	9 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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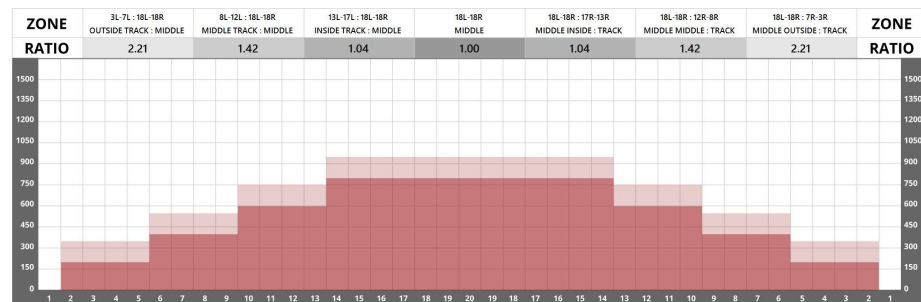
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16 2024 JUNIOR GOLD ADVANCERS 2 (U18B)



DISTANCE:	50 FEET	VOLUME:	25.55 mL
RATIO:	2.21:1	FORWARD:	20 mL
DROP BRUSH:	35 FEET	REVERSE:	5.55 mL
TANKS:	ICE	PUMP:	50 μ L



FORWARD LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	4	50	18	0 → 8	7,400
2	6L	6R	4	50	18	8 → 18	5,800
3	10L	10R	4	50	18	18 → 28	4,200
4	14L	14R	4	50	18	28 → 38	2,600
5	2L	2R	0	50	14	38 → 50	0

REVERSE LOADS DATA

#	START	STOP	LOADS	MICS	SPEED	DISTANCE	T.OIL
1	2L	2R	0	50	30	35 → 16	0
2	2L	2R	3	50	22	16 → 7	5,550
3	2L	2R	0	50	18	7 → 0	0

THIS PATTERN IS DESIGNED FOR:

REVERSE DROP BRUSH

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