

Pattern Information

Date	3-Feb-2025
Pattern Type	CHALLENGE
Pattern Difficulty	MEDIUM
Pattern Volume (ml)	28.10

Pattern Parameters

Split Pattern	No
Pattern Name	25KISHIWMNPT
Start Cleaner Spray	0
Start Squeegee	0
Start Oiling	6

Supplies Information

Lane Cleaner	
Cleaner Mixture Ratio	4 : 1
Cleaner Spray End Distance	50
Lane Conditioner	

Surface Information

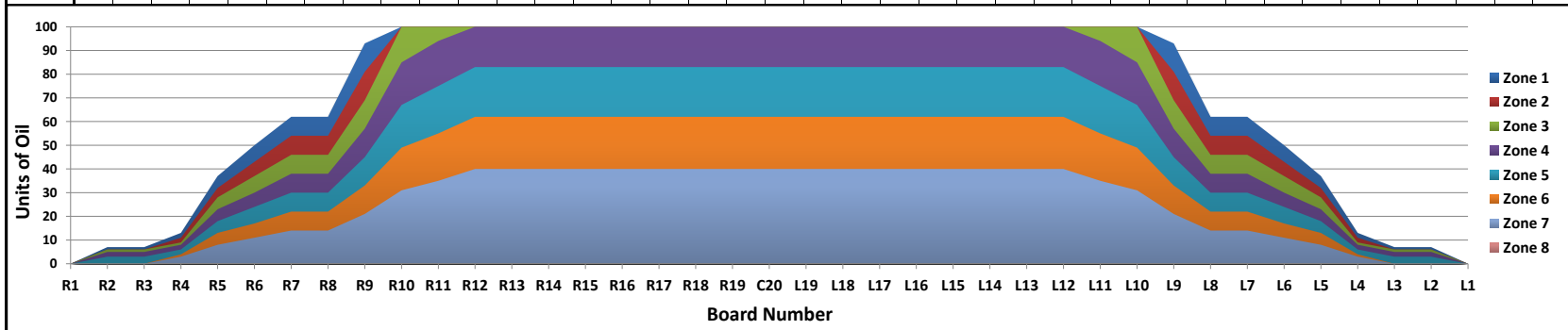
Surface Type	
Surface Brand	
Age	

SPORT	<4 : 1	USBC Ratio Definitions
CHALLENGE	4-8 : 1	
RECREATIONAL	>8 : 1	

Notes
 25KISHIWMNPT

Zone	1	2	3	4	5	6	7	8	Pattern Ratio by Volume (3-7:18-18)
Zone End Distance	5	9	13	18	22	28	31	42	
Zone Ratio	L 2.9 : 1	3.4 : 1	3.9 : 1	4.8 : 1	5.1 : 1	5.5 : 1	5.5 : 1	:	L 4.07 :1
	R 2.9 : 1	3.4 : 1	3.9 : 1	4.8 : 1	5.1 : 1	5.5 : 1	5.5 : 1	:	R 4.07 :1
Zone Volume (ml)	5.79	4.48	4.35	5.17	3.38	3.73	1.20	0.00	

ZONE	7 Pin Side														Board Number												10 Pin Side												
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	C20	R19	R18	R17	R16	R15	R14	R13	R12	R11	R10	R9	R8	R7	R6	R5	R4	R3	R2	R1
1	0	7	7	13	37	50	62	62	93	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	93	62	62	50	37	13	7	7	0	
2	0	6	6	11	32	43	54	54	81	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	81	54	54	43	32	11	6	6	0	
3	0	6	6	9	28	37	46	46	69	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	69	46	46	37	28	9	6	6	0	
4	0	5	5	8	23	30	38	38	57	85	94	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	94	85	57	38	38	30	23	8	5	5	0	
5	0	3	3	6	18	24	30	30	45	67	75	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	75	67	45	30	30	24	18	6	3	3	0	
6	0	0	0	4	13	17	22	22	33	49	55	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	55	49	33	22	22	17	13	4	0	0	0	
7	0	0	0	3	8	11	14	14	21	31	35	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	35	31	21	14	14	11	8	3	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





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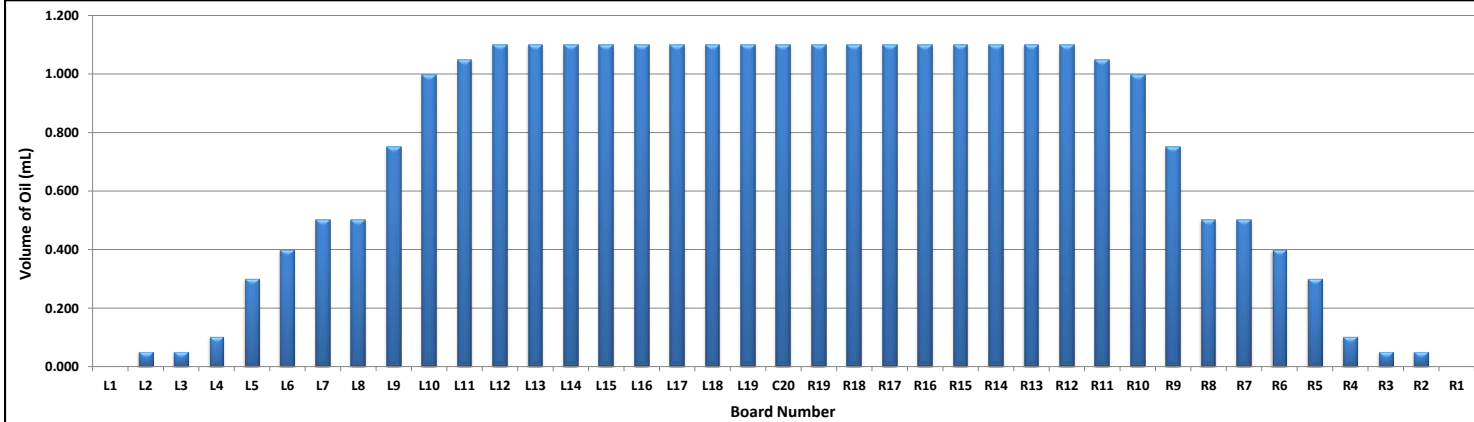
Crosswise Ratios (by units)

Zone 1			Zone 2			Zone 3			Zone 4			Zone 5			Zone 6			Zone 7			Zone 8					
Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio			
3L-7L	33.8	2.9	3L-7L	29.2	3.4	3L-7L	25.2	3.9	3L-7L	20.8	4.8	3L-7L	16.2	5.1	3L-7L	11.2	5.5	3L-7L	7.2	5.5	3L-7L	0.0		3L-7L	0.0	
3R-7R	33.8	2.9	3R-7R	29.2	3.4	3R-7R	25.2	3.9	3R-7R	20.8	4.8	3R-7R	16.2	5.1	3R-7R	11.2	5.5	3R-7R	7.2	5.5	3R-7R	0.0		3R-7R	0.0	
18L-18R	100.0		18L-18R	100.0		18L-18R	100.0		18L-18R	100.0		18L-18R	83.0		18L-18R	62.0		18L-18R	40.0		18L-18R	0.0		18L-18R	0.0	

Crosswise Ratios (by ml)

Zone 1			Zone 2			Zone 3			Zone 4			Zone 5			Zone 6			Zone 7			Zone 8					
Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio	Left =	Average	Ratio			
3L-7L	0.071	2.9	3L-7L	0.049	3.4	3L-7L	0.042	3.9	3L-7L	0.044	4.8	3L-7L	0.071	2.9	3L-7L	0.028	5.5	3L-7L	0.028	5.5	3L-7L	0.009	5.5	3L-7L	0.000	
3R-7R	0.071	2.9	3R-7R	0.049	3.4	3R-7R	0.042	3.9	3R-7R	0.044	4.8	3R-7R	0.071	2.9	3R-7R	0.028	5.5	3R-7R	0.028	5.5	3R-7R	0.009	5.5	3R-7R	0.000	
18L-18R	0.210		18L-18R	0.168		18L-18R	0.168		18L-18R	0.210		18L-18R	0.139		18L-18R	0.156		18L-18R	0.050		18L-18R	0.000		18L-18R	0.000	

The above crosswise ratios are calculated by the average units of oil for boards 18L - 18R and divided by the average units of oil for board 3 - 7 left and right.



3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Outside Track: Middle	Middle Track: Middle	Inside Track: Middle	Middle: Inside Track	Middle: Middle Track	Middle: Outside Track
4.07	1.25	1.00	1.00	1.25	4.07



Lengthwise Ratio By Area			
	3L-7L	18L-18R	3R-7R
	Left	Center	Right
Zone 2	1.1	1.0	1.1
Zone 3	1.3	1.0	1.3
Zone 4	1.6	1.0	1.6
Zone 5	2.0	1.2	2.0
Zone 6	3.0	1.6	3.0
Zone 7	4.6	2.5	4.6
Zone 8			

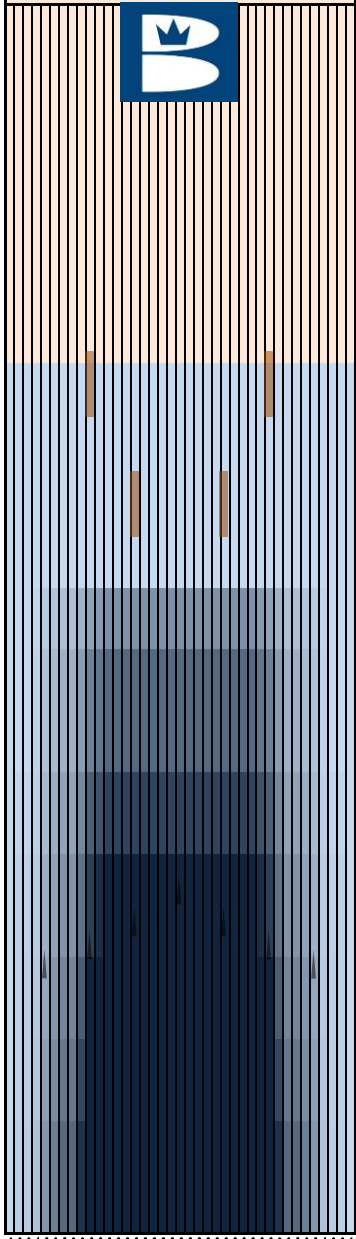
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Lengthwise Ratio By Board (units & ml)

Zone	7 Pin Side														Board Number												10 Pin Side											
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	C20	R19	R18	R17	R16	R15	R14	R13	R12	R11	R10	R9	R8	R7	R6	R5	R4	R3	R2
2		1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	
3		1.2	1.2	1.4	1.3	1.4	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.4	1.3	1.4	1.2	1.2		
4		1.4	1.4	1.6	1.6	1.7	1.6	1.6	1.6	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.6	1.6	1.6	1.7	1.6	1.6	1.4	1.4		
5		2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.5	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3		
6				3.3	2.8	2.9	2.8	2.8	2.8	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.8	2.8	2.8	2.9	2.8	3.3				
7				4.3	4.6	4.5	4.4	4.4	4.4	3.2	2.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.9	3.2	4.4	4.4	4.4	4.5	4.6	4.3				
8																																						

The lengthwise ratios are calculated from the volumes in the first zone.

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