

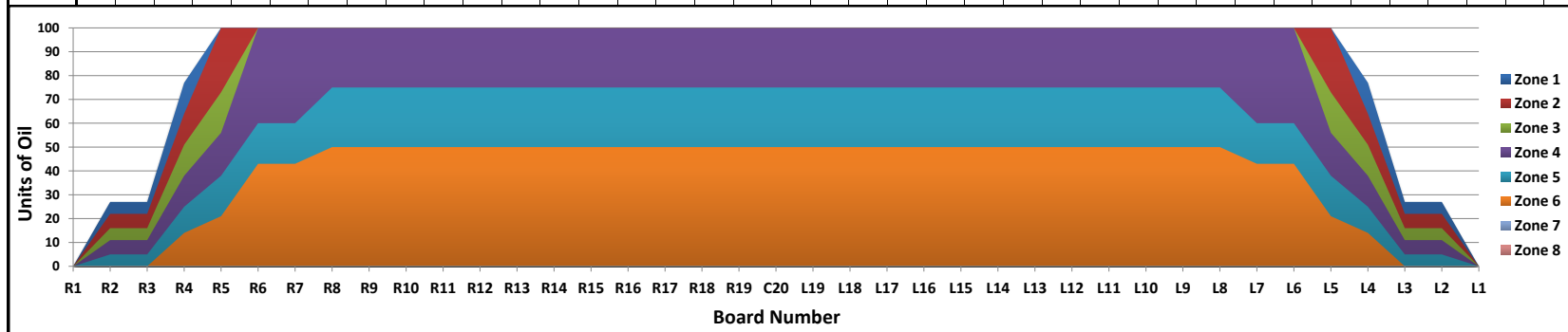
Pattern Information		Pattern Parameters		Supplies Information	
Date	1-Mar-2023	Split Pattern	No	Lane Cleaner	
Pattern Type	SPORT	Pattern Name	ALLTDHKN51TH	Cleaner Mixture Ratio	4 : 1
Pattern Difficulty	HIGH	Start Cleaner Spray	0	Cleaner Spray End Distance	50
Pattern Volume (ml)	35.26	Start Squeegee	0	Lane Conditioner	
		Start Oiling	6		

Surface Information		USBC Ratio Definitions	
Surface Type		SPORT	<4 : 1
Surface Brand		CHALLENGE	4-8 : 1
Age		RECREATIONAL	>8 : 1

Notes: 第51回全国都道府県ボウリング選手権大会

Zone	1	2	3	4	5	6	7	8
Zone End Distance	7	10	15	21	26	29	38	
Zone Ratio L	1.2 : 1	1.2 : 1	1.4 : 1	1.6 : 1	1.9 : 1	2.0 : 1	:	:
Zone Ratio R	1.2 : 1	1.2 : 1	1.4 : 1	1.6 : 1	1.9 : 1	2.0 : 1	:	:
Zone Volume (ml)	9.86	4.17	6.73	7.88	4.74	1.88	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	27	27	77	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	77	27	27	0
2	0	22	22	64	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	64	22	22	0
3	0	16	16	51	73	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	73	51	16	16	0
4	0	11	11	38	56	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	56	38	11	11	0
5	0	5	5	25	38	60	60	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	60	60	38	25	5	5	0
6	0	0	0	14	21	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	43	43	21	14	0	0	0
7	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	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	0





ALLTDHKN51TH

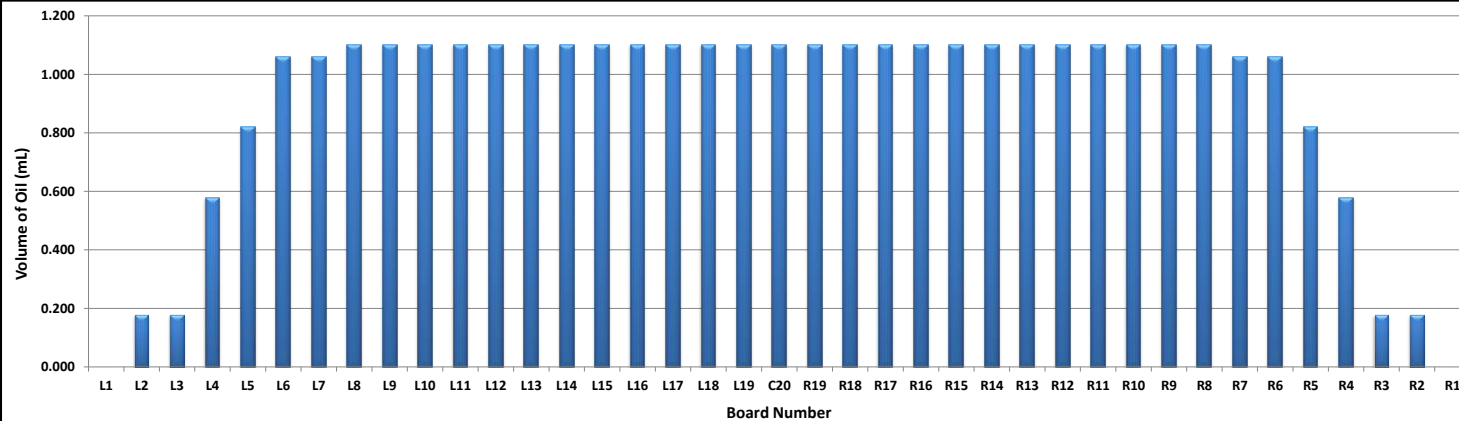
Crosswise Ratios (by units)

Zone 1			
Average	Ratio		
3L-7L Left =	80.8	1.2	
3R-7R Right=	80.8	1.2	
18L-18R Center =	100.0		
Zone 2			
Average	Ratio		
3L-7L Left =	77.2	1.2	
3R-7R Right=	77.2	1.2	
18L-18R Center=	100.0		
Zone 3			
Average	Ratio		
3L-7L Left =	68.0	1.4	
3R-7R Right=	68.0	1.4	
18L-18R Center=	100.0		
Zone 4			
Average	Ratio		
3L-7L Left =	61.0	1.6	
3R-7R Right=	61.0	1.6	
18L-18R Center =	100.0		

Crosswise Ratios (by ml)

Zone 1			
Average	Ratio		
3L-7L Left =	0.237	1.2	
3R-7R Right=	0.237	1.2	
18L-18R Center =	0.293		
Zone 2			
Average	Ratio		
3L-7L Left =	0.097	1.2	
3R-7R Right=	0.097	1.2	
18L-18R Center=	0.126		
Zone 3			
Average	Ratio		
3L-7L Left =	0.143	1.4	
3R-7R Right=	0.143	1.4	
18L-18R Center=	0.210		
Zone 4			
Average	Ratio		
3L-7L Left =	0.153	1.6	
3R-7R Right=	0.153	1.6	
18L-18R Center =	0.251		

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
1.49	1.00	1.00	1.00	1.00	1.49



Lengthwise Ratio By Area			
	3L-7L	18L-18R	3R-7R
	Left	Center	Right
Zone 2	1.0	1.0	1.0
Zone 3	1.1	1.0	1.1
Zone 4	1.3	1.0	1.3
Zone 5	2.1	1.3	2.1
Zone 6	3.3	2.0	3.3
Zone 7			
Zone 8			

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Lengthwise Ratio By Board (units & ml)

	7 Pin Side															Board Number										10 Pin Side														
Zone	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	
2		1.2	1.2	1.2	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2			
3		1.7	1.7	1.5	1.4	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.5	1.7	1.7			
4		2.5	2.5	2.0	1.8	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.8	2.0	2.5	2.5			
5		5.4	5.4	3.1	2.6	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	2.6	3.1	5.4	5.4			
6				5.5	4.8	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.3	4.8	5.5					
7																																								
8																																								

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

