

Pattern Information

Date	10-Aug-2021
Pattern Type	SPORT
Pattern Difficulty	HIGH
Pattern Volume (ml)	28.45

Pattern Parameters

Split Pattern	No
Pattern Name	2021JPBA_L49
Start Cleaner Spray	0
Start Squeegee	0
Start Oiling	6

Supplies Information

Lane Cleaner	
Cleaner Mixture Ratio	4 : 1
Cleaner Spray End Distance	55
Lane Conditioner	

Surface Information

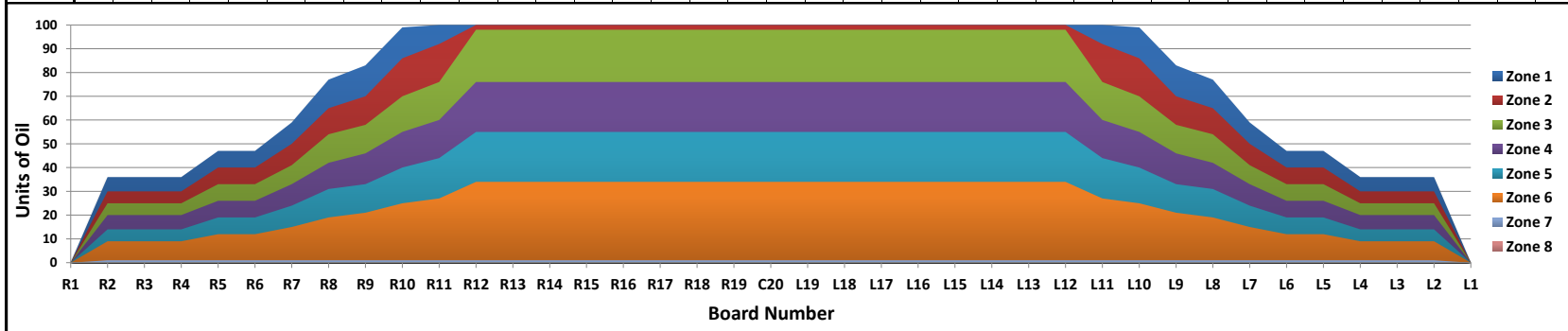
Surface Type	
Surface Brand	
Age	

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

Notes

Zone	1	2	3	4	5	6	7	8	Pattern Ratio by Volume (3-7:18-18)
Zone End Distance	5	10	15	20	26	35	44	49	
Zone Ratio	L 2.2 : 1	2.6 : 1	3.1 : 1	3.0 : 1	3.0 : 1	2.9 : 1	1.0 : 1	:	L 2.76 : 1
	R 2.2 : 1	2.6 : 1	3.1 : 1	3.0 : 1	3.0 : 1	2.9 : 1	1.0 : 1	:	R 2.76 : 1
Zone Volume (ml)	6.16	5.80	5.34	4.17	3.62	3.37	0.00	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	36	36	36	47	47	59	77	83	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	83	77	59	47	47	36	36	36	0	
2	0	30	30	30	40	40	50	65	70	86	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	86	70	65	50	40	40	30	30	30	0	
3	0	25	25	25	33	33	41	54	58	70	76	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	76	70	58	54	41	33	33	25	25	25	0	
4	0	20	20	20	26	26	33	42	46	55	60	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	60	55	46	42	33	26	26	20	20	20	0	
5	0	14	14	14	19	19	24	31	33	40	44	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	44	40	33	31	24	19	19	14	14	14	0	
6	0	9	9	9	12	12	15	19	21	25	27	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	27	25	21	19	15	12	12	9	9	9	0	
7	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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





2021JPBA_L49

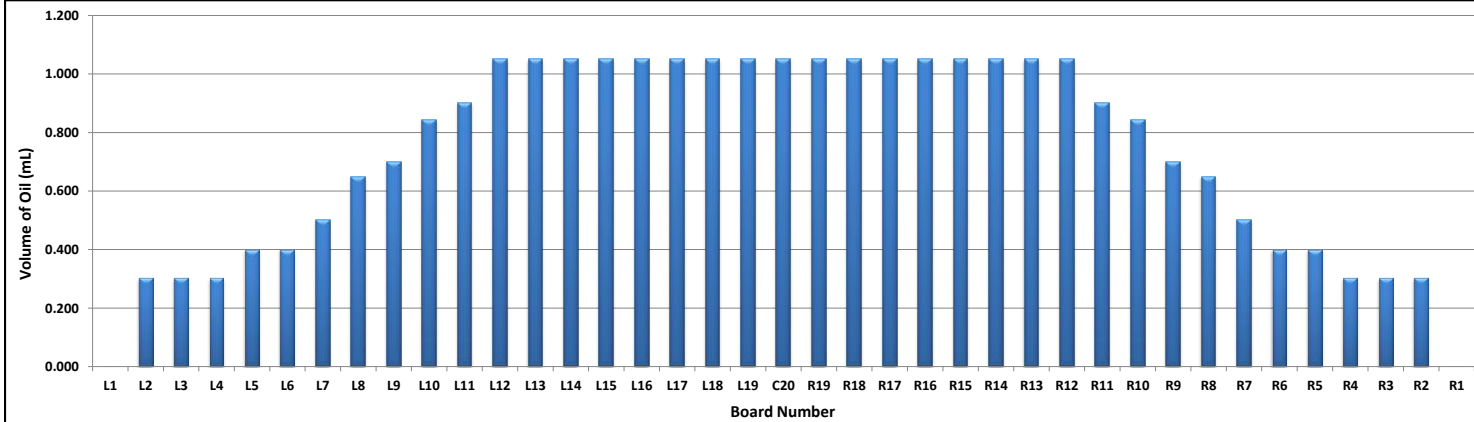
Crosswise Ratios (by units)

Zone 1			Zone 2			Zone 3			Zone 4			Zone 5			Zone 6			Zone 7			Zone 8					
	Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio			
3L-7L	45.0	2.2	3L-7L	18.0	3.0	3L-7L	31.4	3.1	3L-7L	25.0	3.0	3L-7L	18.0	3.0	3L-7L	11.4	2.9	3L-7L	1.0	1.0	3L-7L	0.0		3L-7L	0.0	
3R-7R	45.0	2.2	3R-7R	18.0	3.0	3R-7R	31.4	3.1	3R-7R	25.0	3.0	3R-7R	18.0	3.0	3R-7R	11.4	2.9	3R-7R	1.0	1.0	3R-7R	0.0		3R-7R	0.0	
18L-18R	100.0		18L-18R	55.0		18L-18R	98.0		18L-18R	76.0		18L-18R	55.0		18L-18R	34.0		18L-18R	1.0	1.0	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					
	Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio		Average	Ratio
3L-7L	0.094	2.2	3L-7L	0.080	2.6	3L-7L	0.066	3.1	3L-7L	0.052	3.0	3L-7L	0.045	3.0	3L-7L	0.043	2.9	3L-7L	0.000		3L-7L	0.000		3L-7L	0.000	
3R-7R	0.094	2.2	3R-7R	0.080	2.6	3R-7R	0.066	3.1	3R-7R	0.052	3.0	3R-7R	0.045	3.0	3R-7R	0.043	2.9	3R-7R	0.000		3R-7R	0.000		3R-7R	0.000	
18L-18R	0.210		18L-18R	0.210		18L-18R	0.205		18L-18R	0.159		18L-18R	0.138		18L-18R	0.128		18L-18R	0.000		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
2.76	1.26	1.00	1.00	1.26	2.76



Lengthwise Ratio By Area			
	3L-7L	18L-18R	3R-7R
	Left	Center	Right
Zone 2	1.1	1.0	1.1
Zone 3	1.4	1.0	1.4
Zone 4	1.8	1.3	1.8
Zone 5	2.5	1.8	2.5
Zone 6	3.9	2.9	3.9
Zone 7	45.0	100.0	45.0
Zone 8			

2021JPBA_L49

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	R1
2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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	1.0	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
3		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
4		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
5		2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	
6		4.0	4.0	4.0	3.9	3.9	3.9	4.1	4.0	4.0	3.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	4.0	4.0	4.1	3.9	3.9	3.9	4.0	4.0	4.0	
7		36.0	36.0	36.0	47.0	47.0	59.0	77.0	83.0	99.0	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	99.0	83.0	77.0	59.0	47.0	47.0	36.0	36.0	36.0
8																																							

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

2021JPBA_L49



55

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45

40

35

30

25

20

15

10

5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1