

Pattern Information

Date	10-Aug-2021
Pattern Type	SPORT
Pattern Difficulty	HIGH
Pattern Volume (ml)	26.60

Pattern Parameters

Split Pattern	No
Pattern Name	21JPBA_M41_N
Start Cleaner Spray	0
Start Squeegee	0
Start Oiling	8

Supplies Information

Lane Cleaner	
Cleaner Mixture Ratio	4 : 1
Cleaner Spray End Distance	66
Lane Conditioner	

Surface Information

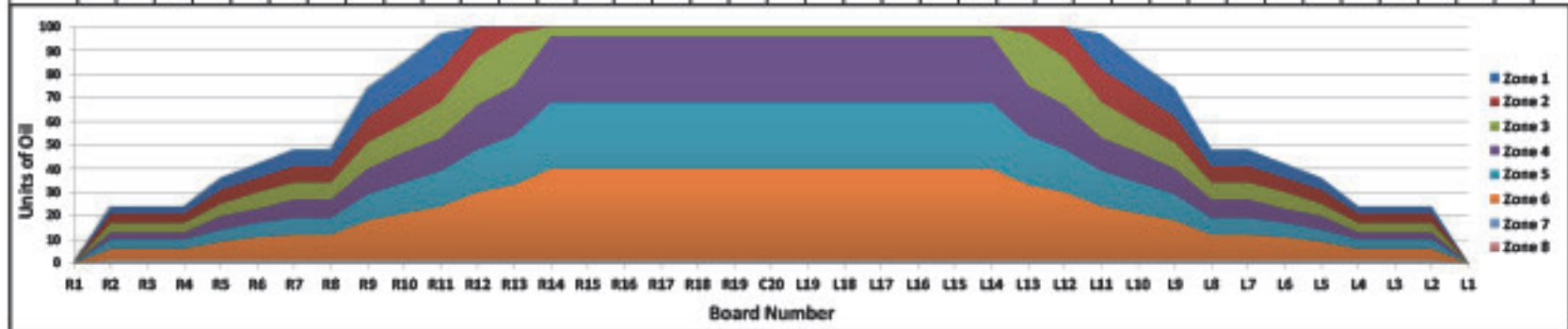
Surface Type	
Surface Brand	
Age	

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	6	11	16	21	26	31	38	41	
Zone Ratio	L 2.8 : 1	3.3 : 1	4.0 : 1	6.0 : 1	4.8 : 1	4.5 : 1	1.0 : 1	:	L 3.79 :1
	R 2.8 : 1	3.3 : 1	4.0 : 1	6.0 : 1	4.8 : 1	4.5 : 1	1.0 : 1	:	R 3.79 :1
Zone Volume (ml)	6.80	6.38	4.97	4.37	3.12	1.88	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	24	24	24	36	42	48	48	74	85	97	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	97	85	74	48	48	42	36	24	24	24	0		
2	0	21	21	21	31	36	41	41	62	72	82	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	82	72	62	41	41	36	31	21	21	21	0			
3	0	17	17	17	25	30	34	34	51	59	68	87	97	100	100	100	100	100	100	100	100	100	100	100	100	97	87	68	59	51	34	34	30	25	17	17	17	0			
4	0	13	13	13	20	23	27	27	40	47	53	67	75	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	75	67	53	47	40	27	27	23	20	13	13	13	0
6	0	10	10	10	14	17	19	19	29	34	39	48	54	68	68	68	68	68	68	68	68	68	68	68	68	68	68	54	48	39	34	29	19	19	17	14	10	10	10	0	
8	0	6	6	6	9	11	12	12	18	21	24	30	33	40	40	40	40	40	40	40	40	40	40	40	40	40	40	33	30	24	21	18	12	12	11	9	6	6	6	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	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	0	0





21JPBA_M41_N

Crosswise Ratios (by units)

Zone	Average	Ratio
3L-7L Left	34.8	2.8
3R-7R Right	34.8	2.8
18L-18R Center	100.0	

Zone	Average	Ratio
3L-7L Left	33.0	3.3
3R-7R Right	33.0	3.3
18L-18R Center	100.0	

Zone	Average	Ratio
3L-7L Left	34.8	4.8
3R-7R Right	34.8	4.8
18L-18R Center	100.0	

Zone	Average	Ratio
3L-7L Left	19.2	5.8
3R-7R Right	19.2	5.8
18L-18R Center	36.9	

Crosswise Ratios (by ml)

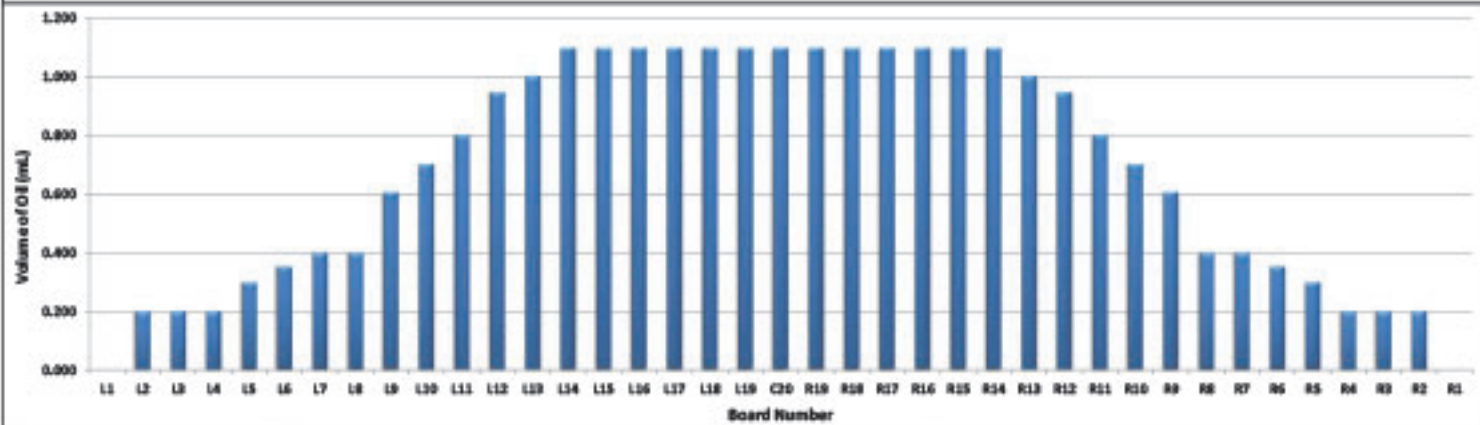
Zone	Average	Ratio
3L-7L Left	0.008	2.8
3R-7R Right	0.008	2.8
18L-18R Center	0.251	

Zone	Average	Ratio
3L-7L Left	0.063	3.3
3R-7R Right	0.063	3.3
18L-18R Center	0.210	

Zone	Average	Ratio
3L-7L Left	0.052	4.9
3R-7R Right	0.052	4.9
18L-18R Center	0.210	

Zone	Average	Ratio
3L-7L Left	0.040	5.8
3R-7R Right	0.040	5.8
18L-18R Center	0.201	

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-19R	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
3.78	1.58	1.01	1.01	1.58	3.78



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	1.0	1.8
Zone 5	2.4	1.4	2.4
Zone 6	3.9	2.5	3.9
Zone 7	34.8	100.0	34.8
Zone 8			

21JPBA_M41_N

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		1.1	1.1	1.1	1.2	1.2	1.2	1.2	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	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1		
3		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	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	1.1	1.4	1.4	1.5	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	1.9	1.8	1.8	1.5	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8		
5		2.4	2.4	2.4	2.6	2.5	2.5	2.5	2.6	2.5	2.5	2.1	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.1	2.5	2.5	2.6	2.5	2.5	2.5	2.6	2.4	2.4	2.4		
6		4.0	4.0	4.0	4.0	3.8	4.0	4.0	4.1	4.0	4.0	3.3	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.3	4.0	4.0	4.1	4.0	4.0	3.8	4.0	4.0	4.0	4.0		
7		24.0	24.0	24.0	36.0	42.0	48.0	48.0	74.0	85.0	97.0	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####
8																																						

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

21JPBA_M41_N



55

50

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 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100