



PBA Official Lane Maintenance and Capital Equipment Provider

**DIRECT+**  
Conditioning System



**ENVOY**



**AUTHORITY22**

Select Machine

**Pattern Information**

Date: PBA2017/18  
 Pattern Type: Sport  
 Pattern Difficulty: High  
 Pattern Designer: SEAN PARRY  
 Pattern Volume (ml): 29.33

**Pattern Parameters**

Pattern Number:   
 Pattern Name: BEAR 2018  
 Mode: Clean & Oil  
 Forward Speed: Max Clean  
 Start Cleaner Spray: 0  
 Start Squeegee: 0  
 Start Oiling: 6  
 Split Pattern: No

**Supplies Information**

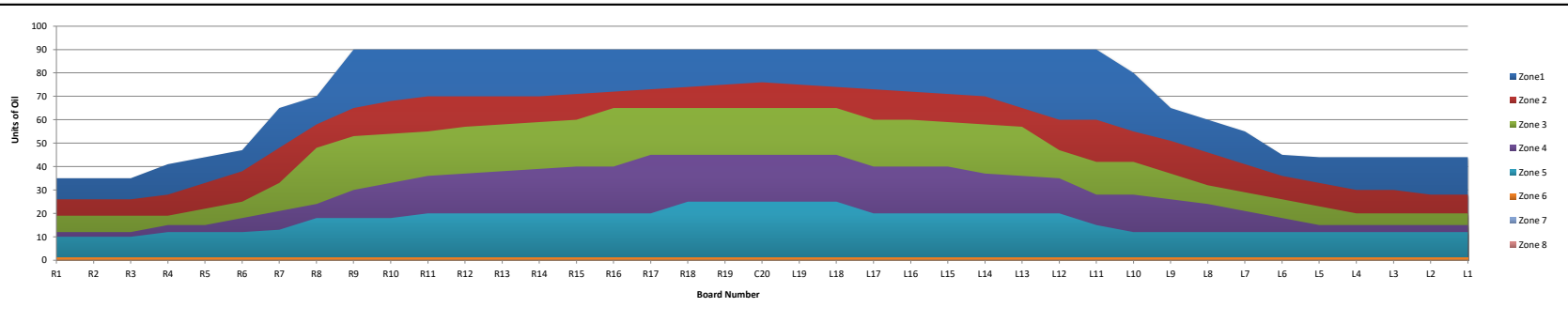
Lane Cleaner: MAX 10  
 Cleaner Mixture Ratio: 10 : 1  
 Cleaner Transition Distance: Authority22  
 Cleaner Spray End Distance: 53 Envoy  
 Lane Conditioner:

**Surface Information**  
 Surface Type:   
 Surface Brand:   
 Age:

Notes TULSA

Zone	1	2	3	4	5	6	7	8
Zone End Distance	15	20	25	30	35	39		
Zone Ratio	L 1.9 : 1	2.2 : 1	2.7 : 1	2.6 : 1	2.0 : 1	1.0 : 1	### : 1	### : 1
	R 1.9 : 1	2.1 : 1	2.7 : 1	2.7 : 1	2.1 : 1	1.0 : 1	### : 1	### : 1
Zone Volume (ml)	17.52	4.47	3.58	2.39	1.37	0.00	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	44	44	44	44	44	45	55	60	65	80	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
2	28	28	30	30	33	36	41	46	51	55	60	60	65	70	71	72	73	74	75	76	75	74	73	72	71	70	70	70	70	68	65	58	48	38	33	28	26	26	26	26
3	20	20	20	20	23	26	29	32	37	42	42	47	57	58	59	60	60	65	65	65	65	65	65	65	65	60	59	58	57	55	54	53	48	33	25	22	19	19	19	19
4	15	15	15	15	15	18	21	24	26	28	28	35	36	37	40	40	40	45	45	45	45	45	45	45	40	40	39	38	37	36	33	30	24	21	18	15	15	12	12	12
5	12	12	12	12	12	12	12	12	12	12	15	20	20	20	20	20	20	25	25	25	25	25	25	20	20	20	20	20	20	20	18	18	18	13	12	12	12	10	10	10
6	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	1	1
7																																								
8																																								





## BEAR 2018

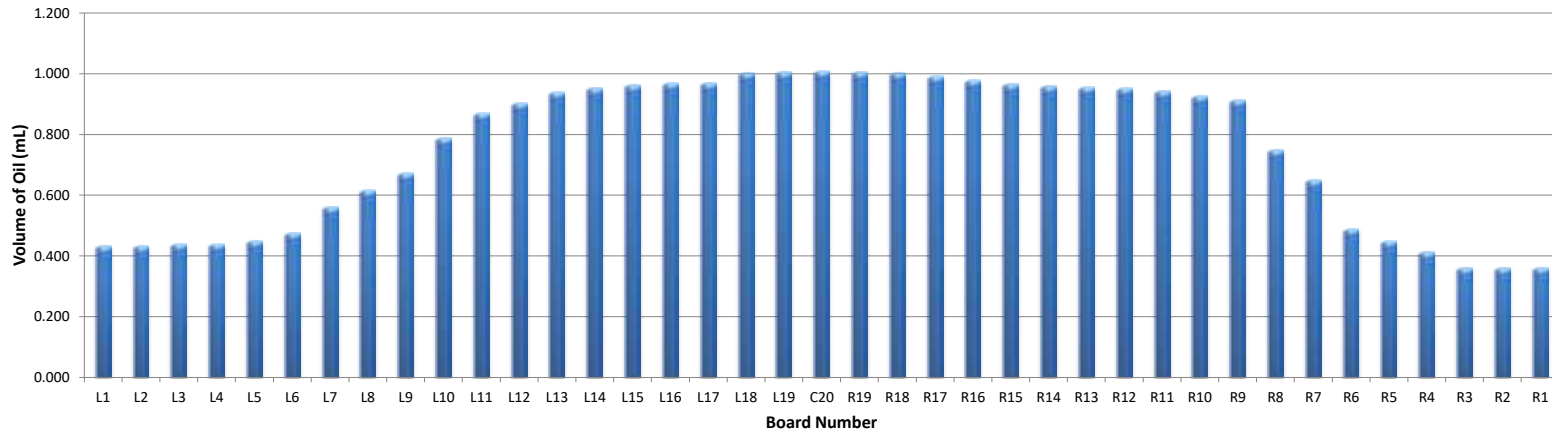
### Crosswise Ratios (by units)

Zone 1			Zone 5		
Average	Ratio		Average	Ratio	
3L-7L	Left = 46.4	1.9	3L-7L	Left = 12.0	2.0
3R-7R	Right = 46.4	1.9	3R-7R	Right = 11.8	2.1
18L-18R	Center = 90.0		18L-18R	Center = 25.0	
Zone 2			Zone 6		
3L-7L	Left = 34.0	2.2	3L-7L	Left = 1.0	1.0
3R-7R	Right = 34.6	2.1	3R-7R	Right = 1.0	1.0
18L-18R	Center = 74.8		18L-18R	Center = 1.0	
Zone 3			Zone 7		
3L-7L	Left = 23.6	2.7	3L-7L	Left = #DIV/0!	#DIV/0!
3R-7R	Right = 23.6	2.7	3R-7R	Right = #DIV/0!	#DIV/0!
18L-18R	Center = 65.0		18L-18R	Center = #DIV/0!	
Zone 4			Zone 8		
3L-7L	Left = 16.8	2.6	3L-7L	Left = #DIV/0!	#DIV/0!
3R-7R	Right = 16.2	2.7	3R-7R	Right = #DIV/0!	#DIV/0!
18L-18R	Center = 45.0		18L-18R	Center = #DIV/0!	

### Crosswise Ratios (by ml)

Zone 1			Zone 5		
Average	Ratio		Average	Ratio	
3L-7L	Left = 0.292	1.9	3L-7L	Left = 0.025	2.0
3R-7R	Right = 0.292	1.9	3R-7R	Right = 0.025	2.1
18L-18R	Center = 0.566		18L-18R	Center = 0.052	
Zone 2			Zone 6		
3L-7L	Left = 0.071	2.2	3L-7L	Left = 0.000	#DIV/0!
3R-7R	Right = 0.073	2.1	3R-7R	Right = 0.000	#DIV/0!
18L-18R	Center = 0.157		18L-18R	Center = 0.000	
Zone 3			Zone 7		
3L-7L	Left = 0.049	2.7	3L-7L	Left = 0.000	#DIV/0!
3R-7R	Right = 0.049	2.7	3R-7R	Right = 0.000	#DIV/0!
18L-18R	Center = 0.136		18L-18R	Center = 0.000	
Zone 4			Zone 8		
3L-7L	Left = 0.035	2.6	3L-7L	Left = 0.000	#DIV/0!
3R-7R	Right = 0.034	2.7	3R-7R	Right = 0.000	#DIV/0!
18L-18R	Center = 0.094		18L-18R	Center = 0.000	

The 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.



<b>3L-7L:18L-18R</b>	<b>Ratio by Total Volume</b>	<b>18L-18R:7R-3R</b>
<b>2.13</b>	<b>1</b>	<b>2.13</b>

