Brunswick

PBA *Official Lane Maintenance and Capital Equipment Provider*

DIRECT+ Conditioning System

X	ENVOY
X	AUTHORITY22®

Select Machine

Pattern Information

Date	9-Apr-18
Pattern Type	
Pattern Difficulty	
Pattern Designer	SEAN PARRY
Pattern Volume (ml)	25.28

Surface Information

Surface Type	
Surface Brand	
Age	

Pattern Parameters

Pattern Number	
Pattern Name	PBA Bear 39
Mode	Clean & Oil
Forward Speed	Max Clean
Start Cleaner Spray	0
Start Squeegee	0
Start Oiling	6
Split Pattern	No

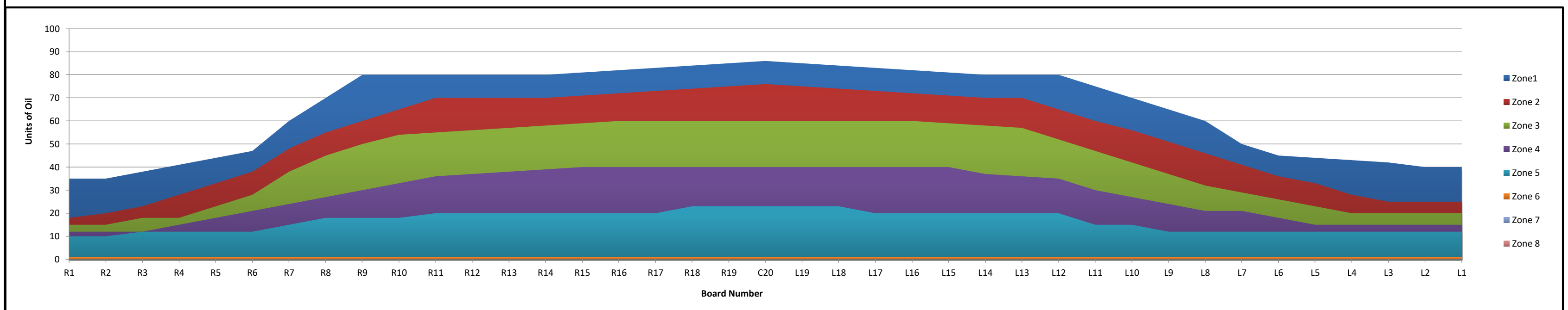
Supplies Information

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

Notes

Zone	1	2	3	4	5	6	7	8
Zone End Distance	11	18	23	28	33	36	39	
Zone Ratio L	1.8 : 1	2.2 : 1	2.5 : 1	2.3 : 1	1.9 : 1	1.0 : 1	### : 1	### : 1
Zone Ratio R	1.8 : 1	2.2 : 1	2.4 : 1	2.2 : 1	1.8 : 1	1.0 : 1	### : 1	### : 1
Zone Volume (ml)	11.90	6.18	3.50	2.34	1.36	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	40	40	42	43	44	45	50	60	65	70	75	80	80	80	81	82	83	84	85	86	85	84	83	82	81	80	80	80	80	80	80	70	60	47	44	41	38	35	35
2	25	25	25	28	33	36	41	46	51	56	60	65	70	70	71	72	73	74	75	76	75	74	73	72	71	70	70	70	70	65	60	55	48	38	33	28	23	20	18
3	20	20	20	20	23	26	29	32	37	42	47	52	57	58	59	60	60	60	60	60	60	60	60	60	59	58	57	56	55	54	50	45	38	28	23	18	18	15	15
4	15	15	15	15	15	18	21	21	24	27	30	35	36	37	40	40	40	40	40	40	40	40	40	40	40	39	38	37	36	33	30	27	24	21	18	15	12	12	12
5	12	12	12	12	12	12	12	12	12	15	15	20	20	20	20	20	20	23	23	23	23	23	20	20	20	20	20	20	20	18	18	18	15	12	12	12	12	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
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
8																																							



Brunswick® DIRECT+ Conditioning System ENVOY AUTHORITY22®

PBA Bear 39

Crosswise Ratios (by units)

	Zone 1	Average	Ratio
3L-7L	Left =	44.8	1.8
3R-7R	Right=	46.0	1.8
18L-18R	Center =	84.8	

	Zone 2	Average	Ratio
3L-7L	Left =	32.6	2.2
3R-7R	Right=	34.0	2.2
18L-18R	Center=	74.8	

	Zone 3	Average	Ratio
3L-7L	Left =	23.6	2.5
3R-7R	Right=	25.0	2.4
18L-18R	Center=	60.0	

	Zone 4	Average	Ratio
3L-7L	Left =	16.8	2.3
3R-7R	Right=	18.0	2.2
18L-18R	Center =	40.0	

	Zone 5	Average	Ratio
3L-7L	Left =	12.0	1.9
3R-7R	Right=	12.6	1.8
18L-18R	Center=	23.0	

	Zone 6	Average	Ratio
3L-7L	Left =	1.0	1.0
3R-7R	Right=	1.0	1.0
18L-18R	Center=	1.0	

	Zone 7	Average	Ratio
3L-7L	Left =	0.0	#DIV/0!
3R-7R	Right=	0.0	#DIV/0!
18L-18R	Center =	0.0	

	Zone 8	Average	Ratio
3L-7L	Left =	#DIV/0!	#DIV/0!
3R-7R	Right=	#DIV/0!	#DIV/0!
18L-18R	Center=	#DIV/0!	

Crosswise Ratios (by ml)

	Zone 1	Average	Ratio
3L-7L	Left =	0.207	1.8
3R-7R	Right=	0.212	1.8
18L-18R	Center =	0.391	

	Zone 2	Average	Ratio
3L-7L	Left =	0.096	2.2
3R-7R	Right=	0.100	2.2
18L-18R	Center=	0.219	

	Zone 3	Average	Ratio
3L-7L	Left =	0.049	2.5
3R-7R	Right=	0.052	2.4
18L-18R	Center=	0.126	

	Zone 4	Average	Ratio
3L-7L	Left =	0.035	2.3
3R-7R	Right=	0.038	2.2
18L-18R	Center =	0.084	

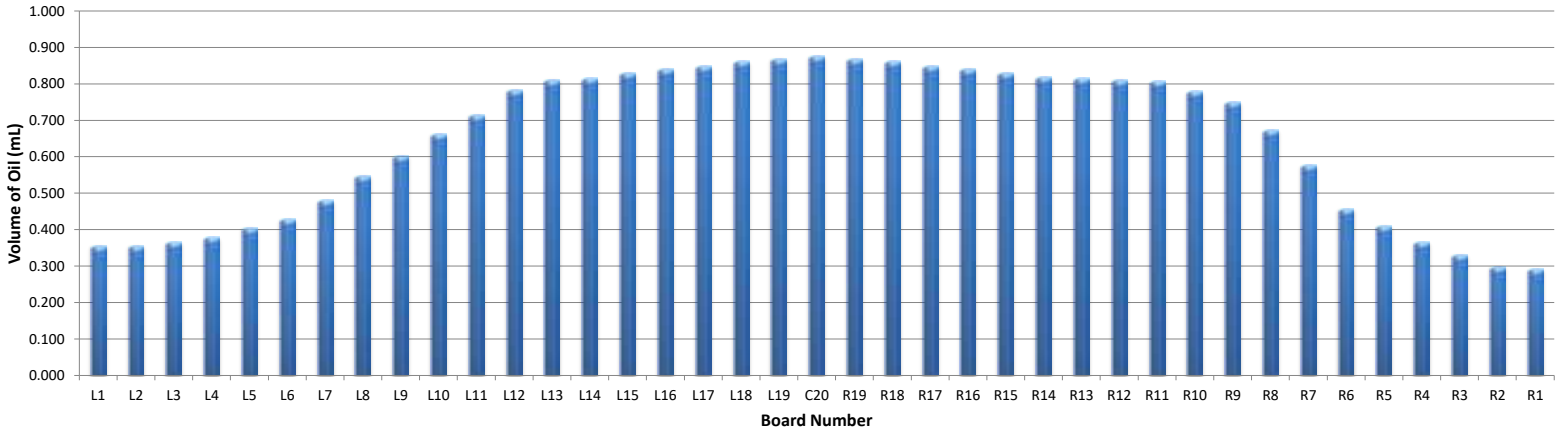
	Zone 5	Average	Ratio
3L-7L	Left =	0.025	1.9
3R-7R	Right=	0.026	1.8
18L-18R	Center=	0.048	

	Zone 6	Average	Ratio
3L-7L	Left =	0.000	#DIV/0!
3R-7R	Right=	0.000	#DIV/0!
18L-18R	Center=	0.000	

	Zone 7	Average	Ratio
3L-7L	Left =	0.000	#DIV/0!
3R-7R	Right=	0.000	#DIV/0!
18L-18R	Center =	0.000	

	Zone 8	Average	Ratio
3L-7L	Left =	0.000	#DIV/0!
3R-7R	Right=	0.000	#DIV/0!
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.



3L-7L:18L-18R	Ratio by Total Volume	18L-18R:7R-3R
2.11	1	2.03

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Lengthwise Ratio By Area

	3L-7L	18L-18R	3R-7R
	Left	Center	Right
Zone 2	1.3	1.1	1.3
Zone 3	1.8	1.4	1.8
Zone 4	2.6	2.1	2.5
Zone 5	3.7	3.6	3.6
Zone 6	44.8	84.8	46.0
Zone 7	#DIV/0!	#DIV/0!	#DIV/0!
Zone 8	#DIV/0!	#DIV/0!	#DIV/0!

PBA Bear 39

Lengthwise Ratio By Board (units & ml)

	7 Pin Side																																									
	Board Number																																									
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	10 Pin Side		
2	1.6	1.6	1.7	1.5	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.2	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	1.2	1.3	1.3	1.3	1.2	1.3	1.5	1.7	1.8	1.9			
3	2.0	2.0	2.1	2.2	1.9	1.7	1.7	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.9	2.3	2.1	2.3	2.3			
4	2.7	2.7	2.8	2.9	2.9	2.5	2.4	2.9	2.7	2.6	2.5	2.3	2.2	2.2	2.0	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.4	2.7	2.6	2.5	2.2	2.4	2.7	3.2	2.9	2.9			
5	3.3	3.3	3.5	3.6	3.7	3.8	4.2	5.0	5.4	4.7	5.0	4.0	4.0	4.0	4.1	4.1	4.2	3.7	3.7	3.7	3.7	3.7	4.2	4.1	4.1	4.0	4.0	4.0	4.0	4.4	4.4	3.9	4.0	3.9	3.7	3.4	3.2	3.5	3.5			
6	40.0	40.0	42.0	43.0	44.0	45.0	50.0	60.0	65.0	70.0	75.0	80.0	80.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	85.0	84.0	83.0	82.0	81.0	80.0	80.0	80.0	80.0	80.0	80.0	70.0	60.0	47.0	44.0	41.0	38.0	35.0	35.0			
7	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####
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