



Official Lane Maintenance and Capital Equipment Provider



ENVOY



AUTHORITY22

Select Machine

Pattern Information

Date: 25-Apr-18  
 Pattern Type: Sport  
 Pattern Difficulty: Medium  
 Pattern Designer: VBS  
 Pattern Volume (ml): 25,23

Pattern Parameters

Pattern Number: 1  
 Pattern Name: NM 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 20  
 Cleaner Mixture Ratio: 20 : 1  
 Cleaner Transition Distance: 43  
 Cleaner Spray End Distance: 53  
 Lane Conditioner: BRUNSWICK CONNECT

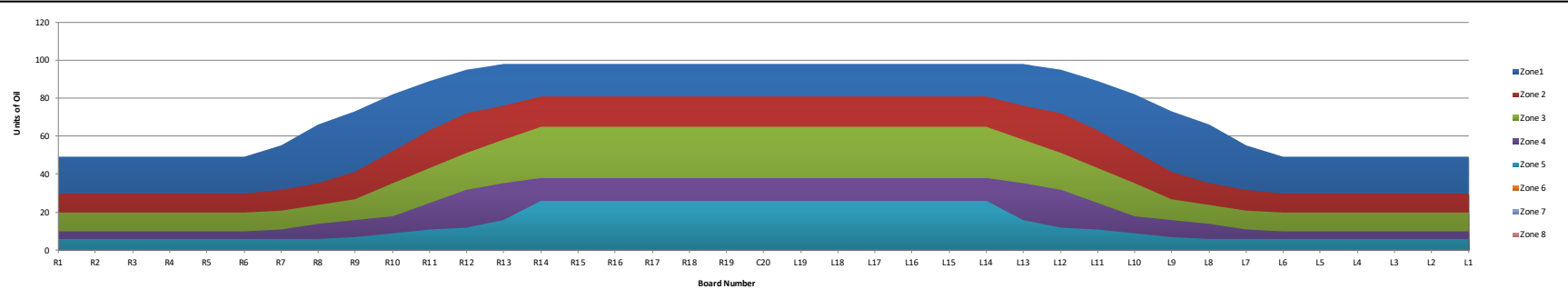
Surface Information

Surface Type: Synthetic  
 Surface Brand: AMF SPL  
 Age: 8

Notes

| Zone              | 1       | 2       | 3       | 4       | 5       | 6        | 7        | 8        |
|-------------------|---------|---------|---------|---------|---------|----------|----------|----------|
| Zone End Distance | 10      | 15,5    | 21,5    | 28      | 33,5    | 41,5     |          |          |
| Zone Ratio L      | 1,9 : 1 | 2,6 : 1 | 3,2 : 1 | 3,7 : 1 | 4,3 : 1 | #### : 1 | #### : 1 | #### : 1 |
| Zone Ratio R      | 1,9 : 1 | 2,6 : 1 | 3,2 : 1 | 3,7 : 1 | 4,3 : 1 | #### : 1 | #### : 1 | #### : 1 |
| Zone Volume (ml)  | 12,48   | 4,97    | 4,03    | 2,50    | 1,25    | 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    | 49         | 49 | 49 | 49 | 49 | 49 | 55 | 66 | 73 | 82  | 89  | 95  | 98  | 98  | 98           | 98  | 98  | 98  | 98  | 98  | 98  | 98  | 98  | 98  | 98  | 98  | 95          | 89  | 82  | 73  | 66 | 55 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |   |   |  |
| 2    | 30         | 30 | 30 | 30 | 30 | 30 | 32 | 35 | 41 | 52  | 63  | 72  | 76  | 81  | 81           | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 76          | 72  | 63  | 52  | 41 | 35 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |   |   |  |
| 3    | 20         | 20 | 20 | 20 | 20 | 20 | 21 | 24 | 27 | 35  | 43  | 51  | 58  | 65  | 65           | 65  | 65  | 65  | 65  | 65  | 65  | 65  | 65  | 65  | 65  | 58  | 51          | 43  | 35  | 27  | 24 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |   |   |  |
| 4    | 10         | 10 | 10 | 10 | 10 | 10 | 11 | 14 | 16 | 18  | 25  | 32  | 35  | 38  | 38           | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 35          | 32  | 25  | 18  | 16 | 14 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |   |   |  |
| 5    | 6          | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 7  | 9   | 11  | 12  | 16  | 26  | 26           | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 16          | 12  | 11  | 9   | 7  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |   |   |  |
| 6    | 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 | 0 |  |
| 7    |            |    |    |    |    |    |    |    |    |     |     |     |     |     |              |     |     |     |     |     |     |     |     |     |     |     |             |     |     |     |    |    |    |    |    |    |    |    |    |    |   |   |  |
| 8    |            |    |    |    |    |    |    |    |    |     |     |     |     |     |              |     |     |     |     |     |     |     |     |     |     |     |             |     |     |     |    |    |    |    |    |    |    |    |    |    |   |   |  |





## NM 2018

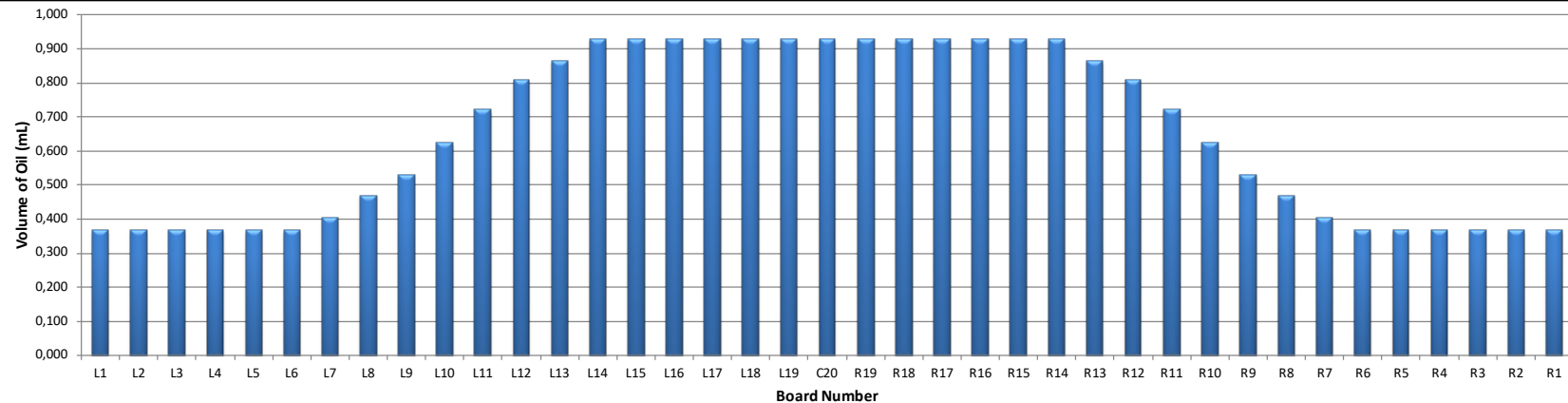
### Crosswise Ratios (by units)

| Zone 1  |               |       | Zone 5  |                  |         |
|---------|---------------|-------|---------|------------------|---------|
|         | Average       | Ratio |         | Average          | Ratio   |
| 3L-7L   | Left = 50,2   | 1,9   | 3L-7L   | Left = 6,0       | 4,3     |
| 3R-7R   | Right = 50,2  | 1,9   | 3R-7R   | Right = 6,0      | 4,3     |
| 18L-18R | Center = 98,0 |       | 18L-18R | Center = 26,0    |         |
| Zone 2  |               |       | Zone 6  |                  |         |
|         | Average       | Ratio |         | Average          | Ratio   |
| 3L-7L   | Left = 30,4   | 2,6   | 3L-7L   | Left = 0,0       | #DIV/0! |
| 3R-7R   | Right = 30,4  | 2,6   | 3R-7R   | Right = 0,0      | #DIV/0! |
| 18L-18R | Center = 81,0 |       | 18L-18R | Center = 0,0     |         |
| Zone 3  |               |       | Zone 7  |                  |         |
|         | Average       | Ratio |         | Average          | Ratio   |
| 3L-7L   | Left = 20,2   | 3,2   | 3L-7L   | Left = #DIV/0!   | #DIV/0! |
| 3R-7R   | Right = 20,2  | 3,2   | 3R-7R   | Right = #DIV/0!  | #DIV/0! |
| 18L-18R | Center = 65,0 |       | 18L-18R | Center = #DIV/0! |         |
| Zone 4  |               |       | Zone 8  |                  |         |
|         | Average       | Ratio |         | Average          | Ratio   |
| 3L-7L   | Left = 10,2   | 3,7   | 3L-7L   | Left = #DIV/0!   | #DIV/0! |
| 3R-7R   | Right = 10,2  | 3,7   | 3R-7R   | Right = #DIV/0!  | #DIV/0! |
| 18L-18R | Center = 38,0 |       | 18L-18R | Center = #DIV/0! |         |

### Crosswise Ratios (by ml)

| Zone 1  |                |       | Zone 5  |                |         |
|---------|----------------|-------|---------|----------------|---------|
|         | Average        | Ratio |         | Average        | Ratio   |
| 3L-7L   | Left = 0,210   | 1,9   | 3L-7L   | Left = 0,014   | 4,3     |
| 3R-7R   | Right = 0,210  | 1,9   | 3R-7R   | Right = 0,014  | 4,3     |
| 18L-18R | Center = 0,411 |       | 18L-18R | Center = 0,060 |         |
| Zone 2  |                |       | Zone 6  |                |         |
|         | Average        | Ratio |         | Average        | Ratio   |
| 3L-7L   | Left = 0,070   | 2,6   | 3L-7L   | Left = 0,000   | #DIV/0! |
| 3R-7R   | Right = 0,070  | 2,6   | 3R-7R   | Right = 0,000  | #DIV/0! |
| 18L-18R | Center = 0,187 |       | 18L-18R | Center = 0,000 |         |
| Zone 3  |                |       | Zone 7  |                |         |
|         | Average        | Ratio |         | Average        | Ratio   |
| 3L-7L   | Left = 0,051   | 3,2   | 3L-7L   | Left = 0,000   | #DIV/0! |
| 3R-7R   | Right = 0,051  | 3,2   | 3R-7R   | Right = 0,000  | #DIV/0! |
| 18L-18R | Center = 0,163 |       | 18L-18R | Center = 0,000 |         |
| Zone 4  |                |       | Zone 8  |                |         |
|         | Average        | Ratio |         | Average        | Ratio   |
| 3L-7L   | Left = 0,028   | 3,7   | 3L-7L   | Left = 0,000   | #DIV/0! |
| 3R-7R   | Right = 0,028  | 3,7   | 3R-7R   | Right = 0,000  | #DIV/0! |
| 18L-18R | Center = 0,104 |       | 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 |
|---------------|-----------------------|---------------|
| 2,48          | 1                     | 2,48          |



Lengthwise Ratio By Area

|        | 3L-7L   | 18L-18R | 3R-7R   |
|--------|---------|---------|---------|
|        | Left    | Center  | Right   |
| Zone 2 | 1,6     | 1,2     | 1,6     |
| Zone 3 | 2,4     | 1,5     | 2,4     |
| Zone 4 | 4,9     | 2,5     | 4,9     |
| Zone 5 | 8,3     | 3,7     | 8,3     |
| Zone 6 | #DIV/0! | #DIV/0! | #DIV/0! |
| Zone 7 | #DIV/0! | #DIV/0! | #DIV/0! |
| Zone 8 | #DIV/0! | #DIV/0! | #DIV/0! |

NM 2018

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    | 1,6        | 1,6  | 1,6  | 1,6  | 1,6  | 1,6  | 1,7  | 1,9  | 1,8  | 1,6  | 1,4  | 1,3  | 1,3  | 1,2  | 1,2          | 1,2  | 1,2  | 1,2  | 1,2  | 1,2  | 1,2  | 1,2  | 1,2  | 1,2  | 1,2         | 1,2  | 1,3  | 1,3  | 1,4  | 1,6  | 1,8  | 1,9  | 1,7  | 1,6  | 1,6  | 1,6  | 1,6  | 1,6  | 1,6  | 1,6  |      |
| 3    | 2,5        | 2,5  | 2,5  | 2,5  | 2,5  | 2,5  | 2,6  | 2,8  | 2,7  | 2,3  | 2,1  | 1,9  | 1,7  | 1,5  | 1,5          | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5         | 1,7  | 1,9  | 2,1  | 2,3  | 2,7  | 2,8  | 2,6  | 2,5  | 2,5  | 2,5  | 2,5  | 2,5  | 2,5  | 2,5  |      |      |
| 4    | 4,9        | 4,9  | 4,9  | 4,9  | 4,9  | 4,9  | 5,0  | 4,7  | 4,6  | 4,6  | 3,6  | 3,0  | 2,8  | 2,6  | 2,6          | 2,6  | 2,6  | 2,6  | 2,6  | 2,6  | 2,6  | 2,6  | 2,6  | 2,6  | 2,6         | 2,8  | 3,0  | 3,6  | 4,6  | 4,6  | 4,7  | 5,0  | 4,9  | 4,9  | 4,9  | 4,9  | 4,9  | 4,9  | 4,9  |      |      |
| 5    | 8,2        | 8,2  | 8,2  | 8,2  | 8,2  | 8,2  | 9,2  | 11,0 | 10,4 | 9,1  | 8,1  | 7,9  | 6,1  | 3,8  | 3,8          | 3,8  | 3,8  | 3,8  | 3,8  | 3,8  | 3,8  | 3,8  | 3,8  | 3,8  | 3,8         | 6,1  | 7,9  | 8,1  | 9,1  | 10,4 | 11,0 | 9,2  | 8,2  | 8,2  | 8,2  | 8,2  | 8,2  | 8,2  | 8,2  |      |      |
| 6    | ####       | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####         | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####        | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### |
| 7    | ####       | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####         | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####        | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### |
| 8    | ####       | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####         | #### | #### | #### | #### | #### | #### | #### | #### | #### | ####        | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### |

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