

# LANE CONDITIONER

62-860167-005 - (5 GALLONS)

**FORMULA LV** Lane Conditioner uses a unique blend of oils to create a low viscosity product for use in all machine technology types (wick/pad, Direct+, and sanction). **FORMULA LV** is a medium-high lubricity conditioner with excellent durability that is optimized for high friction surfaces, or wick/pad machines in lower volumes.

- 100% solids, 30.0 viscosity
- 23.0 surface tension
- Consistent performance

*Easily removed by all Brunswick lane cleaners.*

*ThroBot™ approved.*

*USBC approved.*



# FORMULA LV



## INFO:

- + 30 cps viscosity.
- + 23 dynes/cm surface tension.
- + Perfect choice for wick/pad machine users!
- + Can be used with Direct+ or sanction machines in lower volumes with great success.
- New custom tailored performance additive.
- Globally compliant ingredients.

## FAQ:

### 1. What can my bowlers expect from Formula LV?

Formula LV was created to provide a simple and effective formula, while also considering customer feedback and the current needs of modern bowlers. While primarily intended for wick/pad machines, Formula LV can also be used in high performance machines. We recommend using lower volumes in competition environments due to its medium-high lubricity.

### 2. What are the Direct+ Custom Values to use Formula LV?

Please use the following custom values for older versions of Direct+ machine software for manual entry, or simply select the "Formula LV" preset in MAX or ENVOY+ tablet based machines running the latest versions of software. **22, 23, 46, 59, 40**

### 3. Will I need to change my pattern when transitioning to Formula LV?

Yes - if transitioning from Logic 2.0, Connect 2.0, Control 2.0, or Absolute Control 2.0, or Formula 45 - a reduction in pattern volume by at least 10% will be needed to replicate similar ball motion. Due to the medium-high lubricity and lower surface tension of Formula LV, lesser amounts of oil are recommended to minimize carry down, ensure consistent ball reaction, and promote even and consistent pattern transition. If you need pattern adjusting assistance, please contact Brunswick Inquiries and our technical staff can aid customers through the transition.

### 4. When will Formula LV be available, and what is the Brunswick Part number?

Formula LV is available and shipping immediately under part number (62-860167-005).

# THROBOT TESTING

A Throbot test consist of 40 shots, thrown on the same trajectory by Brunswick's robotic ball thrower - Throbot. This removes all human error from the testing data.

**Formula LV shows predictable ball reaction throughout the test without losing backend entry angles.**

These results are visually represented by color gradient ball path graphs. Early test shots are identified in white and transition to darker green to identify later shots.

Formula LV displays slower pattern transition from earlier to later shots when compared to the Brunswick "2.0" conditioners. That said, the minimal overlap during the transition shows that the pattern will transition predictably without losing ball reaction, and therefore making bowler moves much easier to predict and execute. Pattern design, in shape and lengthwise taper, will be critical to ensuring desirable ball reaction for customers.

**Simply put - the more predictable the transition, the longer the string of strikes for your bowlers!**

See next page for pattern transition data.

## FORMULA LV - 40 BALL TEST



# PATTERN TRANSITION

New for Brunswick is a method of quantifying pattern transition. Not only can we measure “how much” a pattern or oil transitions, but we can see “how and when” it transitions also.

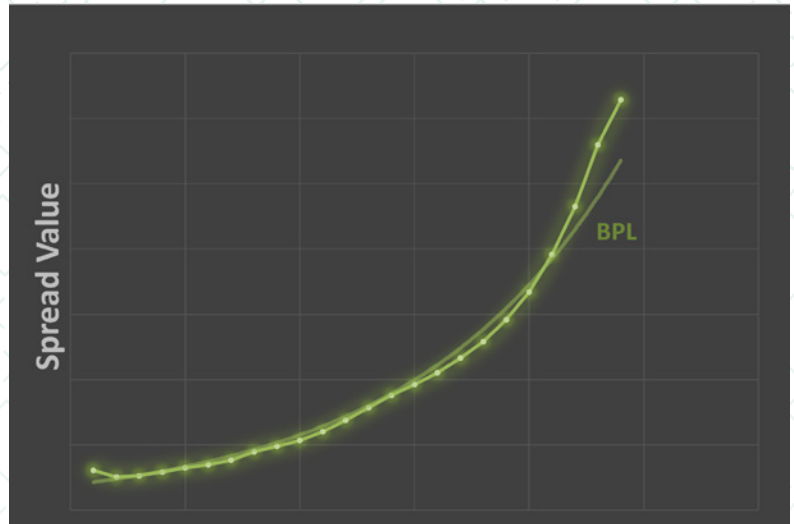
Our new Spread Value graph visually illustrates pattern transitions throughout a session. Each data point represents the ball’s location compared to the prior shot in the test. We then calculate a “**Bowler Predictability Line**” (BPL) which overlays the position data. Deviations of the data points from the BPL can then be analyzed.

- **The less deviations from the BPL - the more predictable it will be for bowlers.**
- **The more deviations from the BPL - the more unpredictable it will be for bowlers.**

Formula LV closely matches the BPL, therefore promoting even, smooth, and continuous transition that will be easy to predict for bowlers. Additionally, the flatter slope of Formula LV’s BPL indicates a slower pattern transition than the Brunswick 2.0 conditioners, allowing bowlers to stay in the same place for longer before moves are necessary.

In turn, your bowlers will see and make moves faster, easier, and confidently without having to guess when Formula LV will transition - **ultimately leading to higher scores.**

## FORMULA LV - PREDICTABILITY



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