



# ALPINE RACING SERVICE

## 2024 MHSAA Division 1 - State Championships Boyne Mountain, Boyne Falls, MI Monday, February 26, 2024

### WEATHER FORECAST (Boyne Mtn., Boyne Falls, MI)

**Sunday:** Low overnight temp 28F (7:00AM).

**Monday (RACE DAY):** 9:00am 33F. 11:00am 39F. 1:00pm 45F. 3:00pm 49F. Humidity is expected to be 50-60%. Wind, SSE 5-10 mph. Mostly Cloudy.

### SNOW CONDITIONS

We're expecting cold weather, both Friday and Saturday (in the teens), which makes me think they'll be turning the snow guns back on (which is very sharp and high moisture snow), this, together with the rising temps on Sunday and Monday suggests the right wax -AND- structure will be critical. Something else to consider is the possibility that they may use salt/urea (fertilizer) to harden the surface, which will require good sharp/clean edges. Overlays will also become very important as the temps rise throughout the day.

### MORNING RACE WAX RECOMMENDATIONS AND APPLICATION

- Base Wax: Iron in the new Swix **PS6**. Scrape and brush.
- Race Wax: Swix **HS8**. Iron into base, allow to cool to room temp. and scrape. Brush out with Wild Boar Brush (T0164). Finish polish with Blue Nylon (T0160).
- Overlay: **Marathon (Roto Fleece Application)** or **TS8 Liquid** Spray.

### AFTERNOON RACE WAX RECOMMENDATIONS AND APPLICATION

- Base Wax: Iron in the new Swix **PS6**. Scrape and brush.
- Race Wax: Swix **HS8**. Iron into base, allow to cool to room temp. and scrape. Brush out with Wild Boar Brush (T0164). Finish polish with Blue Nylon (T0160).
- Overlay: **Marathon (Roto Fleece Application)** or **TS8 Liquid** Spray.

### WAXING AND TUNING CONSIDERATIONS

**\*WAX:** I'm suggesting a relatively cold base wax (PS6) to harden the base because of the sharp man-made (or Lake Effect) snow and the possible use of salt/urea.

**\*BASE:** A good "base structure" will be important in this warm snow, BUT! If you plan to have your skis stone-ground before next Monday's Race, you will absolutely need to (metal) brush the bases (a ton). I would suggest using a "brass or bronze" brush, with passes from tip to tail, until you don't feel or see any "hairs" left on the base, from the stone-grinding.

**\*EDGES:** Despite the warm temps, there will be a good, hard "Racing Surface" at each turn, so make sure you have sharp, "clean" (no burrs) edges.

AFTER FINAL RACE WAX APPLICATION -Scrape base thoroughly. Do not leave excess wax on the surface of the ski base. **Make sure you remove all the wax from the base, any wax left on the bottom of your ski will allow the sharp snow crystals to dig in and slow you down.**

**Congratulations to all the Teams and Athletes who have qualified for the 2024 MHSAA State Finals. And a special thanks to all the Coaches -AND- Parents who put in so many hours to see that these athletes have the chance to achieve their goal.**

***HAVE FUN!***

***Mike Wagner***  
***Swix Sport USA Racing Service***