

Viscosity of Common Lane Conditioners

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Tuesday, 22 May 2007
Last Updated Wednesday, 23 May 2007

I prepared a chart of the viscosity (cps) values for the most common lane oils. This is not exhaustive but will give you a sense of the variation. And, as you can imagine, this will impact your ball reaction. Lower viscosity oils will cause more skill while high viscosity lane conditioners are more durable. But, most importantly, with higher viscosity oils there is more resistance. Consequently, the ball will slow down faster and hook sooner than a lower viscosity oil. Our sport is complex and must be considered a sport.

Click the link below to download the file.

Viscosity of Common Lane Oils (1 page - small file < 8kb)

Special Note: In 1997, Kegel conducted research on the impact of temperature on viscosity of lane oil. In some cases, the viscosity (cps) changed by 2 cps for every 1 degree change in temperature. Increases in temperature will decrease the viscosity. In the same study, some lane oils only change 1 cps for every degree change. Clearly, the viscosity will increase with temperature decreases while decreasing with temperature increases.