Absolutely summing and nuclear composition operator on the Bloch space with contact points

We are going to give a sufficient condition for a composition operator $C_\Phi(f) = f \circ \Phi$ to be $p$-summing on the Bloch space $B$ (the space of analytic functions $f$ on the unit disc $D$ which satisfy $\sup(1 - |z|^2)|f'(z)|$ is finite). We construct examples of a conformal mapping of the unit disc $D$ into itself with contact points with the unit circle $T$, which induce $p$-summing composition operators. We also construct such an example inducing a nuclear composition operator on $B$. We finish by giving a characterization for a composition operator to be nuclear on the Bloch space $B$. 