Addendum to Theorem 2.4 of

On the H-differentiability of Löwner function with application in symmetric cone complementarity problem

On pages 6 -7 of this paper, we mention that the converse of Theorem 2.4 may not be true by constructing a counterexample. We hereby point it out that it is indeed not a counterexample. This example is to explain that there comes a trouble point when verifying the converse direction of Theorem 2.4. If the trouble point can be conquered, it is still possible to prove the converse direction of Theorem 2.4. In fact, we show it indirectly in another paper as below:

Jinchuan Zhou, Yu-Lin Chang, and Jein-Shan Chen, "The H-differentiability and calmness of circular cone functions", Journal of Global Optimization, vol. 63, no. 4, pp. 811-813, 2015.