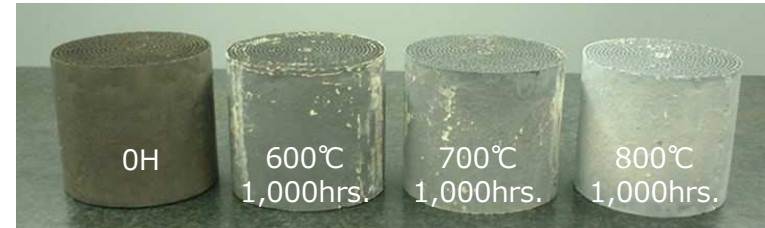
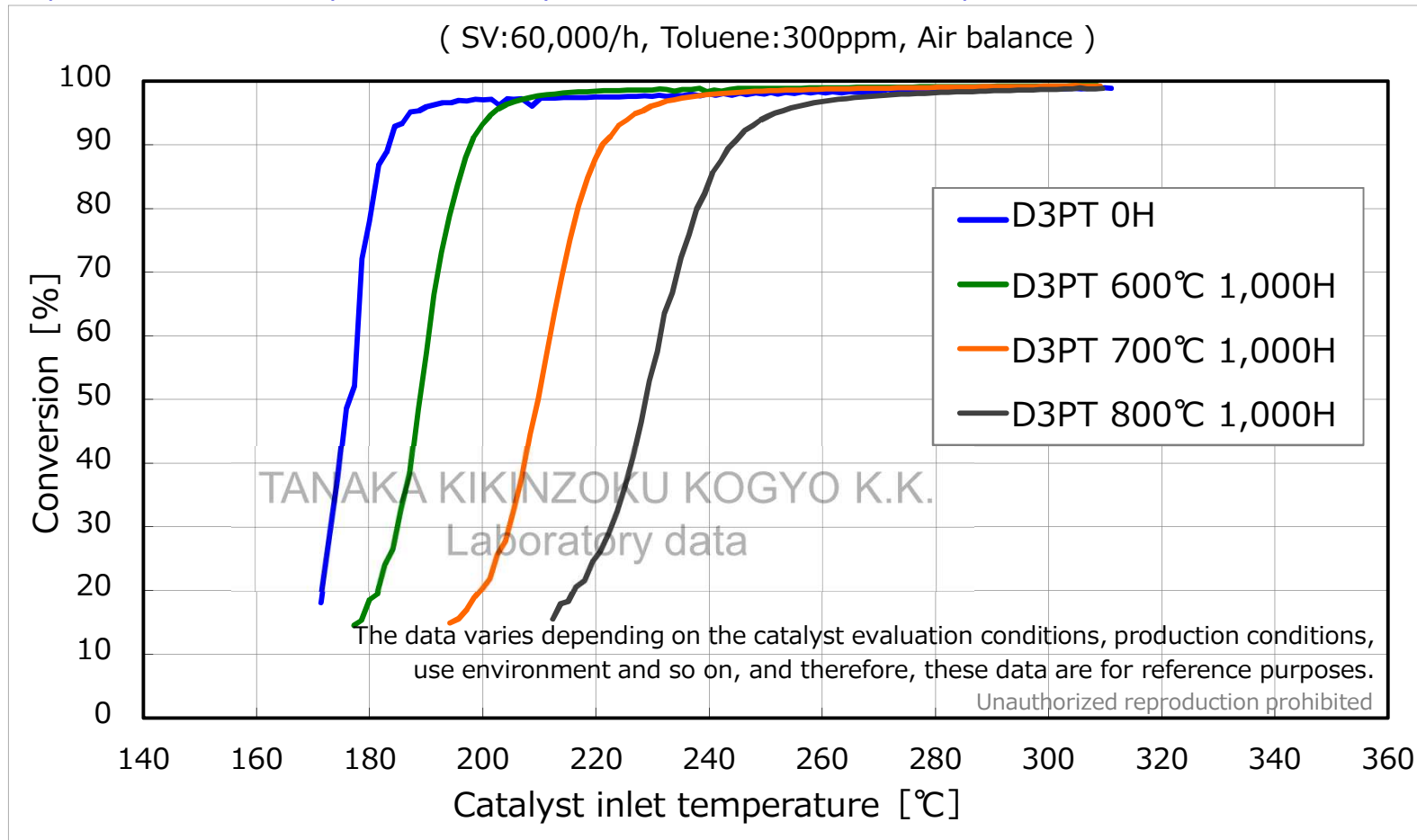


## Example of Catalyst Heat Resistance Characteristics

- Photograph of appearance of D3PT catalyst after 1,000hours in atmospheric furnace.



- Toluene purification efficiency of D3PT catalyst after 1,000hours in atmospheric furnace.



As a result of long-term exposure to high temperatures of 600°C and higher, Pt particles gradually aggregate and the catalyst performance declines. Our catalysts feature an process whereby the carrier components are doped with a component that interacts strongly with the Pt particles, curtailing aggregation due to heat.