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# Totally hereditarily normaloid operators, Bishop's property ($\beta$) and an elementary operator

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A Banach space operator $T$ is totally hereditarily normaloid, $T \in (\mathcal{THN})$, if every part, and the inverse of every invertible part, of $T$ is normaloid. $(\mathcal{THN})$ Hilbert space operators satisfy Bishop's property ($\beta$). If $A, B^* \in B(\mathcal{H})$ are $(\mathcal{THN})$ Hilbert space operators, and $d_{AB} \in B(B(\mathcal{H}))$ stands for either of the elementary operators $\delta_{AB}(X) = AX - XB$ and $\triangle_{AB}(X) = AXB - X$, then $f(d_{AB})$ satisfies Weyl's theorem and $f(d_{AB})^*$ satisfies $a$-Weyl's theorem for every function $f$ which is analytic on a neighbourhood of $\sigma(d_{AB})$. Perturbations of $d_{AB}$ by quasinilpotent and algebraic operators are considered.