Hankel and Toeplitz operators are the compressions of Laurent and bilateral Hankel operators, which in turn can be presented as $2 \times 2$ operator matrices $A$ with Toeplitz and Hankel entries. In particular, we investigate spectral relations between Laurent operators $A$ and their entries. Moreover, we examine self-adjointness, normality, or hyponormality of Laurent operators $A$. (Received September 08, 2018)