ABSTRACT

Provided is hot work tool steel powder for additive manufacturing that makes it possible to manufacture an additively manufactured hot work tool steel object having high softening resistance. Provided are: hot work tool steel powder for additive manufacturing and an additively manufactured hot work tool steel object containing, by mass%, 0.10% ≦ C ≦ 0.24%, 0.01% ≦ Si ≦ 0.50%, 0.01% ≦ Mn ≦ 0.19%, 0.5% ≦ Ni ≦ 1.5%, 3.6% ≦ Cr ≦ 4.4%, one or two of Mo and W according to a relationship formula (Mo + 1/2W): 2.1% ≦ (Mo + 1/2W) ≦ 3.0%, 0.20% ≦ V ≦ 1.0%, 0.1% ≦ Nb ≦ 0.4%, with a remainder being Fe and unavoidable impurities, and satisfying formula (1): C + Si/30 + (Mn + Cr)/20 + Ni/60 + (Mo + 1/2W)/15 + V/10 + Nb/20 ≦ 0.75.

FIG. 1