

عنوان مقاله:

Establishing the Main Technological Parameters Of Carburizing Heat Treatment for Gearbox Part PM Type

محل انتشار:

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خلاصه مقاله:

Carburizing is one of the growing surface-hardening processes applied to low-alloyed steel parts in the automotive industry. While diffusion of carbon in the wrought steel is well documented, this isn't the case for powder metal (P/M) steel subjected to case hardening. In this paper is presented the technological parameters for superficial hardening of gearbox type made from Fe-0.32%C-1.5%Cu PM steel. This parameter is optimum heating temperature, time and adequate carburizing method for obtains a higher hardness and stiffness with suitable carbon diffusion depth

کلمات کلیدی:

case hardening, hardness, powder metallurgy, carburizing

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