

ABSTRACT

Provided is a water-soluble working fluid for a fixed-abrasive wire saw, the water-soluble working fluid comprising (A) at least one water-soluble polymer selected from polyvinylpyrrolidone and a copolymer including vinylpyrrolidone and (B) water, and being able to inhibit: its viscosity increase when mixed with cut debris; reaction between the working fluid and the cut debris and generation of hydrogen; and viscosity increase or gelation of the working fluid mixed with the cut debris.