

Abstract Details

Title: Edible Oil-Based Cutting Fluid In Machining - A Review

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Abstract: Growing Awareness About Environment Pollution And Regulations Of The Government On Use Of Cutting Fluids Has Forced The Industrialists To Come Up With New Alternatives Of Cutting Fluids. In Metal Cutting Operations Cutting Fluids Have Been Extensively Used For Many Years. Earlier Only Oils Were Used As Lubricants In Machining. As The Severity Of Machining Operation Increased The Complexity Of Cutting Fluid Formulation Also Became Complex. Many Types Of Cutting Fluids Are Now Available In Market And Are Also Known As Cutting Oils. In This Paper The Application Of Cutting Fluids For Different Types Of Steels Has Been Given. The Advantages Of Cutting Fluids And Its Performance With Respect To Different Parameters Have Been Described. The Main Objective Of This Paper Is To Highlight The Benefits Of Edible Oils In Machining Process.

Keywords: Edible; Oil; Machining; Low-Carbon; Steel; Cutting; Fluid