Machining of hardened AISI H-13 steel using minimum quantity eco-friendly cutting fluid

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Abstract: Conventionally, cutting fluids are applied in the form of flood to improve machining performance and tool life. However, the use of cutting fluid has detrimental effect in the form of environmental pollution and occupational health hazard. Researchers are trying to develop alternate methodologies to reduce or eliminate cutting fluids during machining. In this study, indigenously developed eco-friendly green cutting fluid (GCF) is used with minimum