TITLE: "Maintenance Scheduling in the Oil Industry Using SMT Techniques"

ABSTRACT: Scheduling problems in the oil industry are characterized by a large number of ab solute safety constraints. These require an extension of the well-known jobshop model with cum ulative resources. We discuss methods of modelling cumulative resources in the presence of sa fety constraints, and evaluate strategies for dealing with these constraints. We compare solut ions obtained using SMT techniques with those obtained by other techniques.