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(54) Title: PROCESS USING MOLECULAR SIEVE SSZ-91 HYDROCRACKING CATALYST

(57) Abstract: Described herein is a hydrocracking catalyst and process that may be used to make middle distillates and unconverted oil having beneficial yield and product characteristics. The process generally comprises contacting a hydrocarbon feed with the hydrocracking catalyst under hydrocracking conditions to produce a product comprising middle distillates and unconverted oil products. The hydrocracking catalyst comprises an SSZ-91 molecular sieve and a modifying metal selected from one or more Group 6 metals, and, optionally, one or more Group 8 to 10 metals, or a modifying metal selected from Group 8 to 10 metals and combinations thereof, and, optionally, one or more Group 6 metals. The hydrocracking catalyst may comprise a matrix material and/or an additional zeolite.



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