

bottom of the hydrotreater to ensure that the dewaxing catalyst is not poisoned by impurities and/or oxygen.

5 As regards split injection of the feedstock, the feedstock can be injected in multiple beds, but preferably no feedstock is injected into the protection bed.

10 So the idea underlying the present invention is to arrange a protection bed in connection with the HDO reactor. For most plant designs, the bed will be arranged in the bottom of the HDO reactor. However, it can also be arranged in a separate reactor between the HDO reactor and the dewaxing reactor.

15 **Summary**

In one aspect of the present disclosure, there is provided a process for monitoring the operation of hydrodeoxygenation of a feedstock, comprising the steps of

20 - directing the feedstock to contact a material catalytically active in hydrotreatment,

- monitoring the temperature in multiple locations of said catalytically active material, and

25 - providing an indication in a means for process monitoring when the difference between the temperature in a first location of said catalytically active material and the temperature in a second location of said catalytically active material is above a specified threshold value, optionally
30 for a specified time of operation,

wherein the difference between the temperature in said first location of said catalytically active material and the temperature in said second location of said catalytically active material is below said specified threshold value during an initial time of operation.

Description

More specifically, the present invention relates to a process for monitoring the operation of hydrodeoxygenation of a feedstock, comprising the steps of

- directing the feedstock to contact a material catalytically active in hydrotreatment,
 - monitoring the temperature in multiple locations of said catalytically active material, and
 - providing an indication in a means for process monitoring when the difference between the temperature in a first location of said catalytically active material and the temperature in a second location of said catalytically active material is above a specified threshold value, optionally for a specified time of operation,
- wherein the difference between the temperature in said