[0003] Patent Document 1: JP 2010-163539 A

Summary of Invention

Technical Problem

[0004] The present disclosure provides, in one or more embodiments therein, a method for preventing fouling of a heat exchanger in a petroleum process.

Solution to Problem

[0005] The present disclosure relates, in one aspect therein, to a method wherein an anticorrosive and a dispersing agent are added to a process fluid passing through a heat exchanger in a petroleum process the heat exchanger is a preheat exchanger, the anticorrosive is a phosphate anticorrosive and/or a polysulfide anticorrosive, and the dispersing agent is selected from the group consisting of a polyolefin ester and a substituted alkylphenol-formaldehyde resin. In another aspect therein, the present disclosure provides a fouling preventing agent to be used for the method for preventing fouling of a heat exchanger as described herein, the fouling preventing agent containing an anticorrosive and a dispersing agent, wherein the anticorrosive is a phosphate anticorrosive and/or a polysulfide anticorrosive, and the dispersing agent is selected from the group consisting of a polyolefin ester and a substituted alkylphenol-formaldehyde resin. In another example described herein, the present disclosure provides an anticorrosive to be used for the method for preventing fouling of a heat exchanger as described herein. In another example described herein, the present disclosure provides a dispersing agent to be used for the method for preventing fouling of a heat exchanger as described herein.

Advantageous Effects of Invention

wherein the prevention of the fouling of the heat exchanger is to restrain asphaltene from adhering onto and/or accumulating onto the inside of the heat exchanger.

6. A fouling preventing agent to be used for the method for preventing fouling of a heat exchanger according to any one of claims 1 to 5, the fouling preventing agent containing an anticorrosive and a dispersing agent,

wherein the anticorrosive is a phosphate anticorrosive and/or a polysulfide anticorrosive, and

the dispersing agent is selected from the group consisting of a polyolefin ester and a substituted alkylphenol-formaldehyde resin.