

Optimization

Liquid-Liquid separation
Interfaces positioning
Chemical additives



Ecology & Savings

Maximize throughput
Reduce residual impurities in product
Avoid pollutants release



Online Evaluation

Settling rate monitoring
Malfunctions identification
Operating drift forecast



WINTicareTM

*Online monitoring tool
for multiphase fluids separation control*

U.S. Patent No. 9,945,833



WINTech GLOBAL
Reliability as your energy

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Behavior and separation of liquids

WINTicare™ is an online monitoring tool which makes it possible to determine the settling rate of liquid-liquid mixtures under real-life conditions. This information, governed by both the fluid's behavior and the operating condition, is essential to properly control and adjust operating parameters for an efficient separation .

Liquid-Liquid settling rates and interfaces equilibrium

WINTicare™ is placed in bypass of the industrial separation system on site. The part of the actual emulsion that is by-passed goes through the calibrated tool WINTicare™. The measured residual contents in the two phases are determined at the WINTicare™ output and the liquid-liquid decantation rate is then obtained.

Universal solution for exclusive clear vision

This online qualification is of greatest importance, not only to integrate all key parameters influencing the fluids behavior, but also to monitor its likely variations over time.

The essential aspect of this information becomes even more accentuated by the change of fluids and the use of chemical additives ⁽¹⁾ which can significantly impact the general behavior of the fluids to be separated.



WINTicare™ is an universal solution suitable for different fields of applications such as oil production, oil desalting (refining), waste water treatment, industrial effluents decontamination, etc.



WINTicare™ TECHNOLOGY GIVES ANSWERS TO A MAJOR UNIVERSAL PROBLEM AND ENABLES TO ESTABLISH AND MONITOR THE MIXTURES INTRINSIC "SEPARABILITY"⁽²⁾ , TO ANTICIPATE ADDITIVES EFFECTS AND THEREFORE TO OPTIMIZE CLEAN OPERATION YIELDS. THIS TOOL ALSO ALLOWS THE CONTROL AND IDENTIFICATION OF RELEASES TO SOIL AND SUBSURFACE.

(1) Injection in the oil wells (Enhanced Oil Recovery or EOR) or in equipment to improve separation.

(2) Intrinsic "separability" : settling rate of a given liquid-liquid mixture in certain conditions

WINTicare™ is a patented solution (U.S. Patent No. 9,945,833).

WINTicare™ is a trademark.

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