

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*



WINTicare[™]

*Control & Optimization
of industrial gravity separators*

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



WINTech GLOBAL
Reliability as your energy

w w w . w i n t e c h - g l o b a l . n e t

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 actual 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

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 WiO /OiW residual contents are determined at the WINTicare® respective outputs and the liquid-liquid decantation rate is then obtained.

Universal solution for exclusive clear vision

This online qualification allows to integrate all key parameters influencing the fluids behavior and to monitor its unavoidable variations over time. This characterization becomes even more essential due to the use of chemical additives⁽¹⁾ which can significantly impact the general behavior of the fluids to be separated.

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



Reproduce – Measure – Optimize – Anticipate



WINTicare® TECHNOLOGY GIVES ANSWERS TO A MAJOR UNIVERSAL PROBLEM AND ENABLES TO DETERMINE AND TRACK THE MIXTURES INTRINSIC "SEPARABILITY"⁽²⁾ . AS SUCH, IT ALLOWS TO CHARACTERIZE AND BENCHMARK ADDITIVES, TO OPTIMIZE OPERATION YIELDS AND TO REDUCE 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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