## HD Q-PAC fulfills the European Union's EN 858-1 Test Method for Class I Coalescing Separators



## EN 858-1 Test Procedure

Light Liquid: density 0.85 g/cm<sup>3\*</sup>

Water Quality: potable or purified surface water

Solubility of Light Liquid: nil, unsaponifiable

Water Turn Over: minimum of four volumes of test unit Liquid Flux:  $25 - 40 \text{ m}^3/\text{hr-m}^2 (10 - 15 \text{ gpm/ft}^2)$ 

Maximum Residual Light Liquid: 5 mg/L\*\*

## Results using HD Q-PAC at Danish Institute of Technology

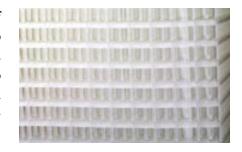
Depth HD Q-PAC: 610 mm (24 inches)

Inlet Oil Concentration: 4250 mg/L

Liquid Flux:  $31.1 \text{ m}^3/\text{hr-m}^2 (12.7 \text{ gpm/ft}^2)$ 

Outlet Oil Concentration: 0.98  $mg/L^{***}$ Oil Droplets >  $20_{\mu}$ : none observed

With all rounded elements, the entire surface area of 132 ft²/ft³ (423 m²/m³) of HD Q-PAC is available to support oil droplet coalescence. As a result, there is no need for any type of 2nd stage polishing to achieve needed oil removal. This fact is based upon HD Q-PAC fulfilling the European Union's EN 858-1, Test Method for Class I Coalescing Separator.



<sup>\*</sup> Fuel oil, per ISO 8217, designation ISO-F-DMA

<sup>\*\*</sup> Hydrocarbon content analysis with prescribed Infrared Spectroscopy procedure.

<sup>\*\*\*</sup> Average of five repetitions. data range 0.9 - 1.1 mg/L