

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 ³ *
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 m ³ /hr-m ² (10 - 15 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 m ³ /hr-m ² (12.7 gpm/ft ²)
Outlet Oil Concentration:	0.98 mg/L***
Oil Droplets > 20 μ :	none observed

* Fuel oil, per ISO 8217, designation ISO-F-DMA

** Hydrocarbon content analysis with prescribed Infrared Spectroscopy procedure.

*** Average of five repetitions. data range 0.9 - 1.1 mg/L

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.

