



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 162.161/A13/0

Expires: 12 August 2016

ENGINEERED HALOCARBON FIRE EXT. SYSTEM

WILHELMSSEN SHIPS EQUIPMENT AS
Strandveien 20
1324 Lysaker
NORWAY

UNITOR 1230 Clean Agent Total Flooding Fixed Fire Extinguishing System.

Total flooding clean agent fire extinguishing systems for the protection of machinery spaces, cargo pump rooms, and other enclosed spaces with flammable liquid hazards. Acceptable for use as an equivalent to total flooding carbon dioxide systems required by 46 CFR. Complies with IMO MSC/Circs.848 and 1267. Not acceptable for cargo hold protection.

Identifying Data: SINTEF test report number NBL F08119, dated 15 October 2008. Wilhelmsen Ships Equipment Design, Installation, Operation and Maintenance Manual part number U 1230-M500, dated 29 July 2011.

Follow-up Program: FM Global

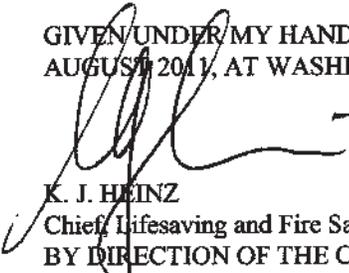
Approval valid only for products manufactured by:
Fire Fluid Technologies
14335 West 97th Terrace
Lenexa, KS 66215

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 12th DAY OF
AUGUST 2011, AT WASHINGTON D.C.


K. J. HEINZ
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT



U. S. Department of Homeland Security

United States Coast Guard

Certificate of Approval

Coast Guard Approval Number: 162.161/13/0

Expires: 12 August 2016

ENGINEERED HALOCARBON FIRE EXT. SYSTEM

SEVO SYSTEMS
14335 W. 97th Terrace
Lenexa KS 66215

UNITOR 1230 Clean Agent Total Flooding Fixed Fire Extinguishing System.

Total flooding clean agent fire extinguishing systems for the protection of machinery spaces, cargo pump rooms, and other enclosed spaces with flammable liquid hazards. Acceptable for use as an equivalent to total flooding carbon dioxide systems required by 46 CFR. Complies with IMO MSC/Circs.848 and 1267. Not acceptable for cargo hold protection.

Identifying Data: SINTEF test report number NBL F08119, dated 15 October 2008. Wilhelmssen Ships Equipment Design, Installation, Operation and Maintenance Manual part number U 1230-M500, dated 29 July 2011.

Follow-up Program: FM Global

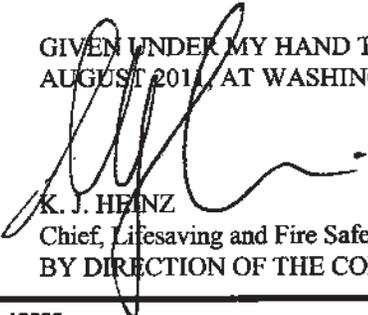
Approval valid only for products manufactured by:
Fire Fluid Technologies
14335 West 97th Terrace
Lenexa, KS 66215

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 12th DAY OF
AUGUST 2011 AT WASHINGTON D.C.


K. J. HEINZ
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT