



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

Coast Guard Approval Number: 162.161/14/0

Expires: 20 November 2019

ENGINEERED HALOCARBON FIRE EXTINGUISHING SYSTEM

KIDDE-FENWAL INC.
400 MAIN STREET
ASHLAND MA 01721

ECS ADS Fire Suppression System with Novec 1230 clean agent.

Fixed total flooding clean agent fire extinguishing system for the protection of machinery spaces, cargo pump rooms, and other enclosed spaces with Class B and C hazards. Includes spare cylinders containing nitrogen propellant. Complies with IMO MSC/Circ. 848 as amended by MSC.1/Circ. 1267. Not acceptable for cargo hold protection.

Identifying Data: Underwriters Laboratories, Inc. Report Project No. 13CA29905, File 4674 dated 5 November 2014. Kidde Fire Systems ECS Advanced Delivery Fire Suppression System Marine Series with NOVEC 1230 Fire Protection Fluid Design, Installation, Operation and Maintenance Manual No. 06-237257-001 dated July 2014.

Follow-up Program: UL

Approval valid only for products from the above location.

*** 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 20th DAY OF
NOVEMBER 2014, AT WASHINGTON D.C.

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