

Certificate No.

Registration No.

CERTIFICATE OF COMPLETION

(NMC Course no. 28)

This certificate is issued to

for having successfully completed the training in

Refrigerator Machinery Training

Summary of Contents:

- *Refrigeration Cycle and Refrigerant*
 - *Refrigeration Cycle*
 - *Pressure-enthalphy Diagram*
 - *Properties of Refrigerant*
- *Structure and Function of Various Equipments*
 - *Compressor, Condensers, Expansion Valve, Evaporator, Safety Devices, etc.*
 - *Procedure for Charging Refrigerant Gas and Oil*
- *Refrigeration Unit for Reefer Container*
 - *General Arrangement and Safety Devices*
 - *De-frost Device and Control Circuit*
 - *Method of Understanding Temperature Recording Chart*
- *Troubleshooting Exercises on Refrigeration System Simulator*

This certificate is valid on vessels managed or manned by NYK SHIPMANAGEMENT PTE LTD.

CAPT. ELISEO Z. CLEMENTE, JR.

General Manager



NYK Maritime College