

Transport Refrigeration

Level 1 Certification



At Thermo King, our whole mission is about improving the quality of life. Our products and people deliver peace of mind to our customers by ensuring passengers and temperature-sensitive goods make it to their destinations safely and efficiently. The partnership with NC3 allows Thermo King to help shape tomorrow's workforce through certification programs, industry supported curriculum and hands-on training.

Level 1 Certification

Thermo King Level One is a combination of two certifications that focuses on the explanation of transport refrigeration and the basic components of refrigeration. Students will understand the different types of units Thermo King services and represents. This certification will provide a valuable, stackable credential that can be easily embedded into a Diesel and/or HVAC/ R curriculum. A student with a Level One certification will provide the base level skills and knowledge regarding maintenance and operation of Thermo King equipment. These skills are integral to meeting the needs of service, fleet and dealer locations across the country. The Level One certification is the foundation towards an advanced Level Two certification.

1 TRANSPORT REFRIGERATION FUNDAMENTALS & PROCEDURES

- Learn the scope and purpose of the transport refrigeration Industry
- Learn the operating modes of a Thermo King single temperature trailer unit
- Understand the operation of the four main components of a refrigeration system
- Learn refrigerant flow and component interaction specific to a transport refrigeration single temperature trailer unit
- Understand and use refrigeration equipment and procedures
- Demonstrate the proper service procedures of a refrigerant level check, low side pump down, refrigerant recovery, evacuation and charging of a transport refrigeration single temperature trailer

2 TRANSPORT REFRIGERATION UNIT NAVIGATION & PREVENTATIVE MAINTENANCE

- Learn to navigate the Thermo King SR4 Transport Refrigeration Control interface and read alarm codes
- Learn preventative maintenance procedures to keep a Thermo King transport refrigeration single temp trailer unit operating at peak performance (i.e., batteries, trailer inspection, engine, coolant tank and lines, air take system, belt condition, etc.)
- Explain why maintenance procedures are important and how they prevent customer down time



Thermo King is a proud partner of the National Coalition of Certification Centers. Certifications are developed and administered by NC3 (National Coalition of Certification Centers) and are compatible with other industry recognized certifications. For more information, contact NC3 at nc3.net.