

Data Start Date: August 11, 2006

Container: Kodiak R11

Data Collection Method:

The payload for the test consisted of 6 bottles of water (12 fluid oz each). The individual bottles were preconditioned to 5° C in a refrigerator. The R11 body was preconditioned to 25° C. Internal and ambient temperature was monitored by an onboard iLog Escort data logger. The load sensor was taped to a bottle in the center of the load. The ambient sensor resides just under the cover of the iLog.

The R11 TRU was preconditioned in a freezer at -20° C +/-3° C . The lid was placed on the body and latched in place.

This data is from an actual shipment from Houston to New Jersey and back. The R11 was opened four times (note the temperature spikes) for payload inspection.

The data logger was run for an indefinite duration. (The test ultimately ran for 9 days and 18 hours.)

Results:

1. The stabilized internal temperature when closed averaged 5.6° C
2. Ambient spikes caused a moderate 0.5° C internal variation.
3. The load was successfully maintained between 2 - 8° C (excluding openings) for 127 hours.

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