

Test Start Date: August 17, 2006

Container: Kodiak R11

Test Method:

The container was tested without any payload. The R11 *body* was preconditioned to 25°C. The load sensor was placed two inches above the bottom of the payload area. The air sensor was placed two inches below the lid and one inch off the wall.

The R11 *lid* was preconditioned in a freezer at -20°C +/-3°C. The lid was removed from the freezer and allowed ten minutes to condition to the proper temperature range of 2 - 8°C. The lid was then placed on the body and latched in place.

The program for the 120 Hour Summer Profile was executed on the certified S-16 Thermotron for the R11 with the final temperature of 23°C set for indefinite soak.

The data was recorded using Virtual Bench by National Instruments (NI). The measurement devices were T type thermocouples attached to an NI TC-2190 (shielded rack-mount adapter for 14 thermocouples). This was attached to an NI 4350 (High Resolution Voltage and Temperature Data Logger). This was attached to the PC which ran the Virtual Bench software.

Results:

1. The R11 performed as expected lasting 139 hours or 5.8 days before it reached 8° C.

Distributed by:



Kodiak Thermal Technologies, Inc. — Test Results

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Kodiak R11 120 Hour Profile Validation Results



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R11 120 HOUR DURATION TEST 8-17-06

