• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 6, 2014

Case: 3i-2011-7

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

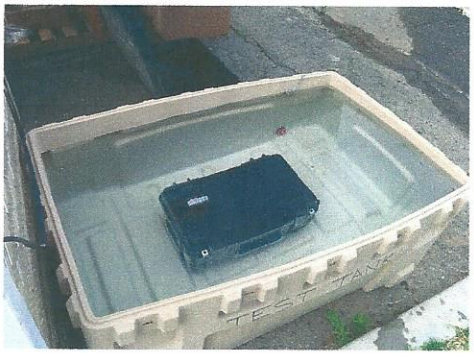
Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 16.5" (7.5" of water over the top surface of the case).

Internal Weight Requirement: 112.5 pounds (to counteract buoyancy)

Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.



During immersion

After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President

• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 5, 2014

Case: 3i-2011-8

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

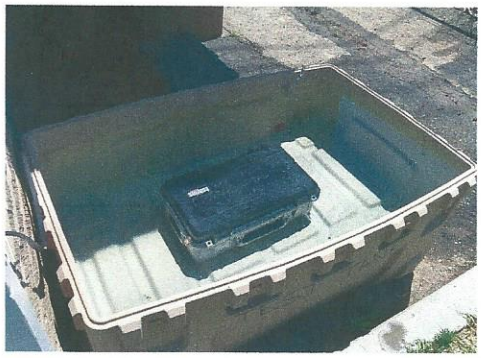
Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 17" (7.75" of water over the top surface of the case).

Internal Weight Requirement: 112.5 pounds (to counteract buoyancy)

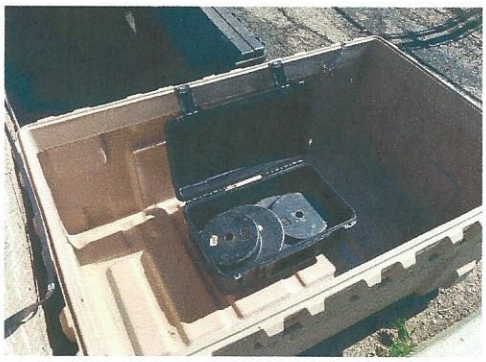
Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.



During immersion



After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President

• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 6, 2014

Case: 3i-2015-10

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

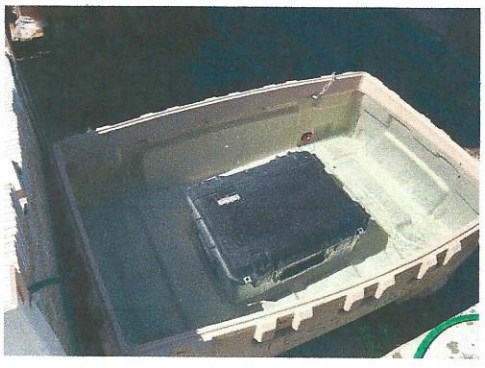
Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 16" (4.5" of water over the top surface of the case).

Internal Weight Requirement: 175 pounds (to counteract buoyancy)

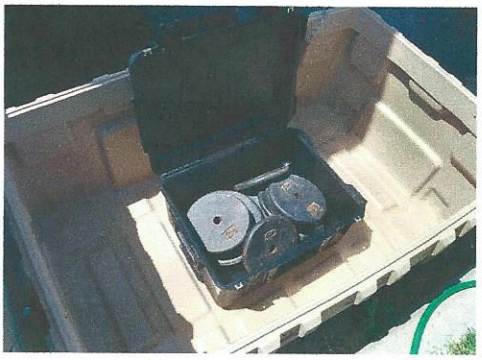
Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.



During immersion



After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President

• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 6, 2014

Case: 3i-2217-10

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

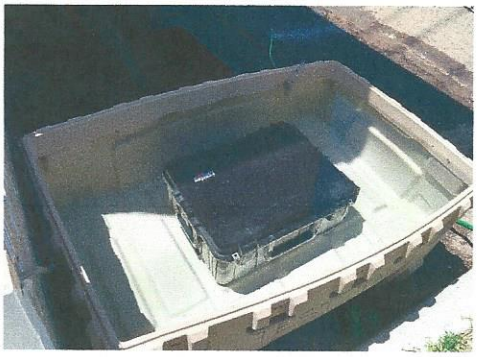
Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 15.75" (3.5" of water over the top surface of the case).

Internal Weight Requirement: 175 pounds (to counteract buoyancy)

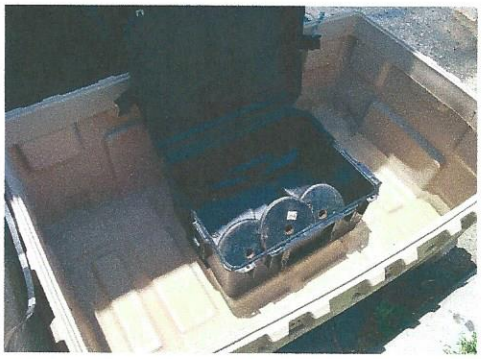
Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.



During immersion



After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President

• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 6, 2014

Case: 3i-2217-12

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

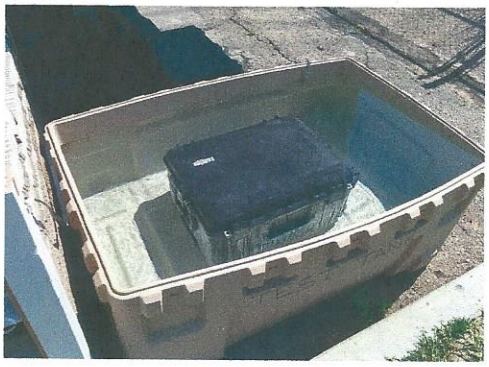
Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 16.25" (2" of water over the top surface of the case).

Internal Weight Requirement: 230 pounds (to counteract buoyancy)

Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.



During immersion

After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President

• **CORPORATE/ MFG HEADQUARTERS**
434 W. Levers Place
Orange, CA 92867
Phone (714) 637-1252
Fax (714) 637-0491
http://www.skbcases.com

3i Series Water Immersion Test

Date: June 10, 2014

Case: 3i-2317-14

Test Method: Immersion per MIL-STD 810G Method 512.5 Procedure I

Conditioning: 2.3.2.2 a.2 10°C above water temperature. Water temperature 15°C and case conditioned to 25°C for a period of 1 hour.

Immersion Depth: Transit Cases are considered buoyant and therefore should have to comply with Procedure II (Fording) but we test to full immersion per Procedure I with immersion depth limited by our test tank depth. The immersion of the subject case was 17" (1" of water over the top surface of the case).

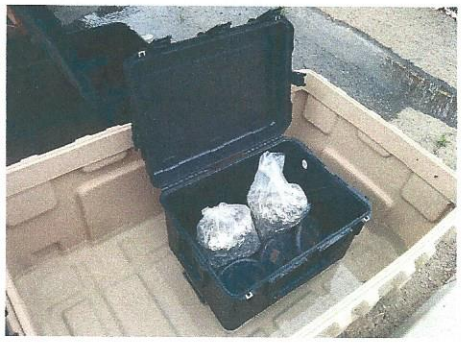
Internal Weight Requirement: 260 pounds (to counteract buoyancy)

Test procedure:

1. Measure water temperature
2. Condition case to 10°C above water temperature
3. Place case into test tank
4. Load test weight inside of case
5. Open and close case 3 times prior to immersion
6. Fill tank with water to submerge case
7. Following an immersion period of a minimum of 30 minutes drain test tank
8. Wipe exterior surfaces dry
9. Open case and examine interior for evidence of water or leakage, and if water is present determine probable point of entry

Results: After 60 minutes of immersion case was found to have no visible intrusion of water and considered to be water tight per MIL-STD 810G.

During immersion



After 60 minute immersion

Scott Kottman
Test Engineer

Robert Wilkes
Sr. Vice President