

MOTOCAP

| This MotoCAP safety<br>Brand<br>Model<br>Type<br>Date purchased<br>Sizes tested<br>Test garment gender<br>Style<br>RRP | John<br>Sava<br>Jack<br>23 F<br>L and<br>Fem | ny Reb<br>nnah<br>et - Leather<br>ebruary 202<br>d 2XL<br>ale<br>urpose |       |
|--|--|---|-------|
| Test Results Summary   |  | Rating  | Score |
| MotoCAP Protection Rati  | ng   | **  | 38.3  |
| Abrasion   |  | 7/10  | 5.45  |
| Burst  |  | 10/10   | 1104  |
| Impact   |  | 0/10  | 0.0   |
| MotoCAP Breathability R  | ating  | *   | 0.272 |
| Moisture Vapour Resistant  | nce  | -   | 92.1  |
| Thermal Resistance   |  | -   | 0.418 |

N/A

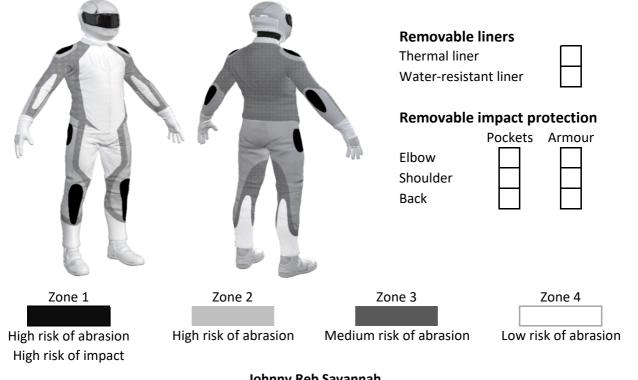
N/A

This garment is not fitted with impact protectors. There are no pockets provided at the shoulders, elbows or back for fitting aftermarket impact protectors. Adding elbow and shoulder impact protectors would improve the protection levels of this garment. There are no vents to allow airflow movement through the garment.

Water resistance

# Jacket and Pants - Crash Impact Risk Zones

This diagram is a pictorial representation of the crash impact risk Zones.



Johnny Reb Savannah Leather Jacket



### **Abrasion Resistance**

The jacket was tested for abrasion resistance in accordance with MotoCAP test protocols. The diagram below is a visual indication of the likely abrasion performance of the materials in each zone calculated from the data in the table below. The colour coding is based on the worst performing material in each zone.



Abrasion Resistance Performance

| Abrasion rating | 7/10 |
|-----------------|------|
| Abrasion score  | 5.45 |

| <b>Determining Criteria</b> | Area        | Good  | Acceptable | Marginal  | Poor  |
|-----------------------------|-------------|-------|------------|-----------|-------|
| High abrasion risk          | Zones 1 & 2 | > 5.6 | 3.0 - 5.6  | 1.3 - 2.9 | < 1.3 |
| Medium abrasion risk        | Zone 3      | > 2.5 | 1.8 - 2.5  | 0.8 - 1.7 | < 0.8 |
| Low abrasion risk           | Zone 4      | >1.5  | 1.0 - 1.5  | 0.4 - 0.9 | < 0.4 |

**Individual Abrasion Resistance Results:** - The table below shows the test results for time to abrade through all layers of the materials. Calculated for each sample by Zone, type and area coverage of each material as a proportion of that Zone. Abrasion times are capped at a maximum of 10.00s.

| Zones 1 & 2 | Coverage (%) | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Average |
|-------------|--------------|----------|----------|----------|----------|----------|----------|---------|
| Material A  | 100%         | 6.13     | 4.60     | 6.02     | 5.56     | 4.47     | 5.92     | 5.45 /  |
| Zone 3      | Coverage (%) | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Average |
| Material A  | 100%         | 6.13     | 4.60     | 6.02     | 5.56     | 4.47     | 5.92     | 5.45 (  |
| Zone 4      | Coverage (%) | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Average |
| Material A  | 100%         | 6.13     | 4.60     | 6.02     | 5.56     | 4.47     | 5.92     | 5.45 (  |

#### Details of materials used in jacket

Material A Leather shell with quilted fabric inner liner



# **Burst Strength**

The jacket was tested for burst strength in accordance with MotoCAP test protocols. The diagram below illustrates the burst strength results in terms of the likely performance of the garment in an impact and is a pictorial representation of the data from the table below.



| Determining Criteria | Unit  | Good   | Acceptable | Marginal  | Poor  |
|----------------------|-------|--------|------------|-----------|-------|
| Burst strength       | (kPa) | > 1000 | 800 - 1000 | 500 - 799 | < 500 |

**Individual Burst Strength Results:** - The table below shows the burst pressure in kilopascals (kPA) for each sample tested by Zone and the average result for each zone.

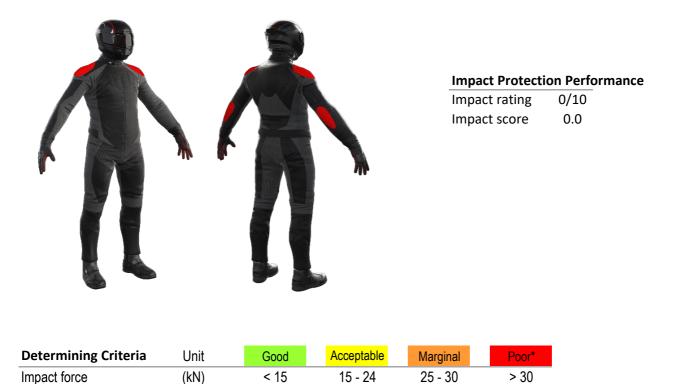
### Burst pressure for each seam (kPA)

| Area        | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Average |   |
|-------------|----------|----------|----------|----------|----------|----------|---------|---|
| Zones 1 & 2 | 1482     | 1112     | 1377     | 1315     | 304      | 1141     | 1122    | G |
| Zones 3 & 4 | 1536     | 1654     | 652      | 929      | 758      | 662      | 1032    | G |



### **Impact Protection**

This jacket was not tested for impact protection as impact protectors were not provided with the garment. The diagram below is a visual indication of the likely performance of each impact protector calculated from the data in the table below. The colour coding is based on the worst performing score for average or maximium force for each impact zone. Areas shaded black are not considered for impact protection ratings.



\* Poor may also indicate that no impact protector, or impact protector pocket is present in the garment

**Impact Protector Results:** - The table below shows the average and maximum force transmitted through each impact protector type in kilonewtons (kN) and their area of coverage as a proportion (%) of the Zone.

| Impact protector type               | Elbow | Shoulder |
|-------------------------------------|-------|----------|
| Average force (kN)                  | Р     | P        |
| Maximum force (kN)                  | P     | P        |
| Coverage of Zone 1 area             | 0%    | 0%       |
| Coverage of Zone after displacement | 0%    | 0%       |

**Individual Impact Protector Results:** - The table below shows the test results for each strike on individual impact protectors in kilonewtons (kN) and the position of the strike. Individual strike results are capped at a maximum of 50kN.

#### Force transfer for each impact strike (kN)

| Impact protector type | Elbow  | No impact prot | tector present | Shoulder | No impact pro | tector present |
|-----------------------|--------|----------------|----------------|----------|---------------|----------------|
| Strike location       | Centre | Mid            | Edge           | Centre   | Mid           | Edge           |
| Impact Protector 1    |        |                |                |          |               |                |
| Impact Protector 2    |        |                |                |          |               |                |
| Impact Protector 3    |        |                |                |          |               |                |



# Breathability

The jacket was tested for breathability following the MotoCAP test protocols. The table below shows the moisture vapour resistance and the thermal resistance values obtained.

| Without removable l       | With water-resistant liner          |       |                  |         |  |
|---------------------------|-------------------------------------|-------|------------------|---------|--|
| Breathability rating      | *                                   | Brea  | thability rating | N/A     |  |
| Breathability score       | 0.272                               | Brea  | thability score  | N/A     |  |
| Moisture Vapour Resis     | stance - R <sub>et</sub> (kPa.m²/W) | 1     | 2                | Average |  |
| Without removable liner   | S                                   | 91.4  | 92.8             | 92.1    |  |
| With water-resistant line | r                                   | N/A   | N/A              | N/A     |  |
| Thermal Resistance - I    | R <sub>ct</sub> (K.m²/W)            | 1     | 2                | Average |  |
| Without removable liner   | S                                   | 0.417 | 0.419            | 0.418   |  |
| With water-resistant line | r                                   | N/A   | N/A              | N/A     |  |

# Water spray and rain resistance

This jacket has not been advertised as water-resistant so has not been tested for water spray and rain resistance.

| Assessment Details.    |                          |
|------------------------|--------------------------|
| Brand                  | Johnny Reb               |
| Model                  | Savannah                 |
| Туре                   | Jacket - Leather         |
| Date purchased         | 23 February 2021         |
| Tested by              | AMCAF, Deakin University |
| Garment test reference | J20L10                   |
| Rating first published | April 2021               |
| Rating updated         | 29 April 2021            |