

# CERTIFICATE

of passed VSB testing program according to ASTM F2656/F2656M - 20

TRANSPOLIS SAS test house located 620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens (France) has performed on behalf of the hereunder mentioned company:

**BLOCKAXESS - Groupe KLOZMANN**  
**4 , Allée Victor Basch**  
**42000 Saint-Etienne - FRANCE**

The test which the reference is:

➤ **BLXDEF23379**



on July 27<sup>th</sup>, 2023, under the following conditions:

- Vehicle used: DAF LF45
- Vehicle Weight at test: 7375 kg
- Actual Speed: 48.8 km/h
- Angle of impact: 89.0°

VSB (Vehicle Security Barrier):

- Model VigiBlax AG (Above Ground)
- Anti-ram vehicle speed bumps
- height above ground 0.92m – width 2.22m – length 2.85m.

Test Results :

- The vehicle was stopped and disabled.
- Vehicle static penetration distance from the front face of VSB: 10.97 m.
- Vehicle dynamic penetration distance from the front face of VSB: 11.07 m.
- Penetration rating: P3.
- Dispersion, maximum distance of major debris (>25kg): 7.9 m.
- Impact Kinetic Energy : 679 kJ

Performance rating: F2656M-2020 U30 P3

Saint-Maurice-de-Rémens, 2023-08-21

  
**Nathalie YAGÜE**  
Test Department Leader

**TRANSPOLIS SAS**

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