

CERTIFICATE

of passed testing program according to ISO 22343-1:2023

Testing Certificate n° C-BLXDEF25662_ISO22343-1_EN

TRANSPOLIS SAS test house located 620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens (France)
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:

➤ **BLXDEF25662**



on October 29th, 2025, under the ISO 22343-1:2023 following conditions:

- Vehicle used: DAF LF45 (N2A type)
- Vehicle Weight at test: 7220 kg (7200 kg $\pm$ 150 kg)
- Actual Speed: 49.6 km/h (48 km/h -1/+3 km/h)
- Angle of impact: 90.0° (90° $\pm$ 2°)

VSF (Vehicle Security Barrier):

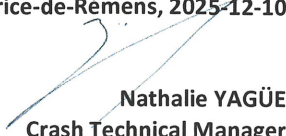
- Model: Marguerite
- Anti-ram surface-placed barrier.
- Height above ground 177 cm – 99 cm wide at the base – diameter 27 cm.

Test Results :

- The VSB brought the vehicle to a halt beyond the VSB Datum line and caused damage preventing the vehicle to progress under its own power after impact.
- Vehicle static penetration distance from the front face of VSB: 13.2 m.
- Vehicle dynamic penetration distance from the front face of VSB: 13.4 m.
- Dispersion, maximum distance of major debris (>2 kg): 16.1 m.
- Impact Kinetic Energy : 686 kJ

No performance rating: ISO 22343-1: surface-placed Barrier V/7200[N2A]/48/90:13.4/16.1

Saint-Maurice-de-Rémens, 2025-12-10


Nathalie YAGÜE
Crash Technical Manager

The results of this certificate are only valid in connection with the final report n°BLXDEF25662 under redaction.

TRANSPOLIS SAS

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